

<222> (1)...(314)
 <223> Xaa = Any Amino Acid

<400> 1646
 Met Ser Thr His Arg Met Glu Ile Ser Gln Cys Val Pro Leu Trp Glu
 1 5 10 15
 Ser Met Leu Lys Gly Leu Glu Gly Gly Leu Glu Asn Gln Ala Leu Leu
 20 25 30
 Phe Ala Val Phe Pro Gly Leu Tyr Met Val Thr Ile Pro Gly Asn Leu
 35 40 45
 Thr Met Thr Met Val Ile Ile Leu Asp Thr His Leu His Phe Pro Val
 50 55 60
 Asn Phe Phe Leu Gly Ala Ser Pro Phe Leu Asp Leu Gly His Ala Ser
 65 70 75 80
 Ile Ile Pro Asn Ala Leu Val Asn Phe Ser Ser Ser Lys Val Val
 85 90 95
 Thr Phe Ala Gly Cys Ala Ala Arg Phe Phe Ser Leu Leu Ser Thr
 100 105 110
 Thr Glu Thr Phe Leu Leu Ala Val Met Ala Tyr Asp Cys Phe Val Ala
 115 120 125
 Ile Cys Ser Leu Val Trp Cys Pro Val Thr Thr Cys Leu Ser Ile Cys
 130 135 140
 Ile Ile Leu Gly Pro Gly Thr Tyr Cys Arg Val Cys Leu Ser Ser Ile
 145 150 155 160
 Val Gln Thr Gly Leu Met Phe Gln Leu Pro Ser Ala Gly Thr Asn His
 165 170 175
 Ile Asp His Tyr Cys Asp Met Pro Gln Leu Leu Arg Leu Ala Cys Ala
 180 185 190
 Cys Leu Ala Leu Asn Glu Leu Thr Lys Phe Ser Leu Cys Gly Leu Met
 195 200 205
 Met Val Asn Ala Thr Leu Val Val Leu Val Ser Phe Gly Cys Val Thr
 210 215 220
 Val Thr Ile Leu Arg Thr Pro Ser Gly Ser Gln Xaa His Lys Val Phe
 225 230 235 240
 Thr Cys Ser Ser His Val Met Thr Val Ser Leu Phe Asp Gly Thr Val
 245 250 255
 Phe Val Thr Tyr Ala Gln Pro Gly Thr Met Glu Ser Met Glu Gln Gly
 260 265 270
 Lys Val Val Ser Val Phe Tyr Ser Leu Val Ile Pro Met Leu Gly Pro
 275 280 285
 Phe Ile Tyr Ser Leu Arg Asn Lys Asp Met Lys Glu Ala Leu Arg Arg
 290 295 300
 Leu Gly Gln Arg Gln Ala Leu Met Gly Arg
 305 310

<210> 1647
 <211> 252
 <212> PRT
 <213> Unknown (H38g564 protein)

<220>
 <223> Synthetic construct

<400> 1647
 Met Tyr Phe Phe Leu Gly Asn Leu Ser Phe Cys Asp Ile Cys Tyr Ser
 1 5 10 15
 Thr Val Phe Ala Pro Lys Met Leu Val Asn Phe Leu Ser Lys His Lys
 20 25 30
 Ser Ser Thr Phe Ser Gly Cys Val Leu Gln Ser Phe Pro Phe Ala Val
 35 40 45
 Tyr Val Thr Thr Lys Asp Ile Leu Leu Ser Met Met Ala Tyr Asp His

50	55	60
Tyr Val Ala Ile Ala Asn Pro Leu Leu Tyr Thr Val Ile Met Ala Gln		
65	70	75
Lys Val Cys Ile Gln Met Val Leu Ala Ser Tyr Leu Gly Gly Leu Ile		80
85	90	95
Asn Ser Leu Thr His Thr Ile Gly Leu Leu Lys Leu Asp Phe Cys Gly		
100	105	110
Pro Asn Ile Val Asn His Tyr Phe Cys Asp Val Pro Pro Leu Leu Arg		
115	120	125
Leu Ser Cys Ser Asp Ala His Ile Asn Glu Met Leu Pro Leu Val Phe		
130	135	140
Ser Gly Leu Ile Ala Met Phe Thr Phe Ile Val Ile Met Val Ser Tyr		
145	150	155
Ile Cys Ile Ile Ala Ile Gln Arg Ile His Ala Ala Glu Gly Arg		160
165	170	175
Tyr Lys Ala Phe Ser Thr Cys Val Ser His Leu Thr Thr Val Thr Leu		
180	185	190
Phe Tyr Gly Ser Val Ser Phe Ser Tyr Ile Gln Pro Ser Ser Gln Tyr		
195	200	205
Ser Leu Glu Gln Glu Lys Val Leu Ala Val Phe Tyr Thr Leu Val Ile		
210	215	220
Pro Met Leu Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys		
225	230	235
Asp Ala Ala Lys Arg Leu Ile Trp Trp Gly Glu Lys		240
245	250	

<210> 1648

<211> 319

<212> PRT

<213> Unknown (H38g565 protein)

<220>

<223> Synthetic construct

<400> 1648

Met Ser Gly Glu Asn Val Thr Arg Val Gly Thr Phe Ile Leu Val Gly			
1	5	10	15
Phe Pro Thr Ala Pro Gly Leu Gln Tyr Leu Leu Phe Leu Leu Phe Leu			
20	25	30	
Leu Thr Tyr Leu Phe Val Leu Val Glu Asn Leu Ala Ile Ile Leu Thr			
35	40	45	
Val Trp Ser Ser Thr Ser Leu His Arg Pro Met Tyr Tyr Phe Leu Ser			
50	55	60	
Ser Met Ser Phe Leu Glu Ile Trp Tyr Val Ser Asp Ile Thr Pro Lys			
65	70	75	80
Met Leu Glu Gly Phe Leu Leu Gln Gln Lys Arg Ile Ser Phe Val Gly			
85	90	95	
Cys Met Thr Gln Leu Tyr Phe Phe Ser Ser Leu Val Cys Thr Glu Cys			
100	105	110	
Val Leu Leu Ala Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His			
115	120	125	
Pro Leu Arg Tyr His Val Leu Val Thr Pro Gly Cys Ala Ser Arg Leu			
130	135	140	
Val Gly Phe Ser Phe Val Ser Gly Phe Thr Ile Ser Met Ile Lys Val			
145	150	155	160
Cys Phe Ile Ser Ser Val Thr Phe Cys Gly Ser Asn Val Leu Asn His			
165	170	175	
Phe Phe Cys Asp Ile Ser Pro Ile Leu Lys Leu Ala Cys Thr Asp Phe			
180	185	190	
Ser Thr Ala Glu Leu Val Asp Phe Ile Leu Ala Phe Ile Ile Leu Val			
195	200	205	

Phe Pro Leu Leu Ala Thr Met Leu Ser Tyr Ala His Ile Thr Leu Ala
 210 215 220
 Val Leu Arg Ile Pro Ser Pro Arg Gly Cys Trp Arg Ala Phe Phe Thr
 225 230 235 240
 Cys Ala Ser His Leu Thr Val Val Thr Val Phe Tyr Thr Ala Leu Leu
 245 250 255
 Phe Met Tyr Val Arg Pro Arg Pro Leu Tyr Ser Arg Ser Ser Asn Lys
 260 265 270
 Leu Ile Ser Val Leu Tyr Thr Val Ile Thr Pro Ile Leu Asn Pro Leu
 275 280 285
 Ile Tyr Cys Leu Arg Asn Lys Glu Phe Lys Asn Ala Leu Lys Asn Ser
 290 295 300
 Arg Leu Asp Asp Cys Ala Val Glu Gly Arg Leu Ser Ser Leu Leu
 305 310 315

<210> 1649

<211> 320

<212> PRT

<213> Unknown (H38g566 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(320)

<223> Xaa = Any Amino Acid

<400> 1649

Met Ala Asp Val Asn Phe Thr Leu Val Thr Glu Phe Ile Leu Leu Glu
 1 5 10 15
 Leu Thr Asp Arg Ala Glu Leu Lys Met Val Leu Phe Val Leu Phe Leu
 20 25 30
 Leu Ile Tyr Thr Ile Ser Leu Val Gly Asn Ile Gly Met Leu Phe Leu
 35 40 45
 Ile Tyr Val Thr Pro Lys Leu Thr Pro Met Tyr Tyr Phe Leu Ser
 50 55 60
 Cys Leu Ser Phe Val Asp Ala Cys Tyr Ser Ser Val Phe Ala Pro Arg
 65 70 75 80
 Met Leu Leu Asn Phe Phe Val Glu Arg Glu Thr Ile Leu Phe Ser Ala
 85 90 95
 Cys Ile Val Gln Tyr Phe Leu Phe Val Ser Leu Leu Thr Thr Glu Gly
 100 105 110
 Phe Leu Leu Ala Thr Met Ala Tyr Asp Arg Tyr Met Ala Ile Val Asn
 115 120 125
 Pro Leu Leu Tyr Thr Val Ala Met Thr Lys Ile Val Cys Ile Val Leu
 130 135 140
 Ala Phe Gly Ser Cys Met Gly Gly Leu Ile Asn Ser Leu Thr His Thr
 145 150 155 160
 Ile Gly Leu Val Lys Leu Ser Phe Cys Gly Pro Asn Val Ile Ser His
 165 170 175
 Phe Phe Cys Asp Leu Pro Pro Leu Leu Lys Leu Ser Cys Ser Glu Thr
 180 185 190
 Ser Met Asn Glu Leu Leu Leu Ile Phe Ser Gly Ile Ile Ala Thr
 195 200 205
 Leu Thr Phe Leu Thr Val Val Ile Ser Tyr Ile Phe Ile Val Ala Ala
 210 215 220
 Ile Leu Arg Ile Arg Xaa Ala Ala Gly Arg Arg Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Thr Ser His Leu Ile Thr Val Thr Leu Phe Tyr Gly Ser Ile Ser
 245 250 255
 Phe Ser Tyr Ile Gln Pro Asn Ser Gln Tyr Ser Leu Glu Gln Glu Lys

260	265	270
Val Val Ser Val Phe Tyr Thr Leu Val Val Pro Met Leu Asn Pro Leu		
275	280	285
Ile Tyr Ser Leu Arg Asn Lys Glu Val Lys Glu Ala Val Lys Arg Ala		
290	295	300
Ile Glu Met Lys His Phe Pro Cys Xaa Phe His Ile Ser Ile Ser Lys		
305	310	315
		320

<210> 1650

<211> 313

<212> PRT

<213> Unknown (H38g567 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(313)

<223> Xaa = Any Amino Acid

<400> 1650

Met Leu Gly Asn Tyr Ser Ser Ala Thr Glu Phe Phe Leu Leu Gly Phe			
1	5	10	15
Pro Gly Ser Gln Glu Val Arg Arg Ile Leu Phe Val Asn Phe Phe Phe			
20	25	30	
Leu Tyr Ala Val Thr Val Met Gly Asn Thr Val Ile Ile Val Thr Val			
35	40	45	
Cys Val Asp Lys His Leu Gln Ser Pro Met Tyr Phe Phe Leu Gly His			
50	55	60	
Leu Cys Val Leu Glu Ile Leu Ile Thr Ser Thr Ala Ala Pro Phe Met			
65	70	75	80
Leu Trp Gly Leu Leu Pro Ser Thr Gln Ile Met Ser Leu Thr Ala			
85	90	95	
Cys Ala Ala Gln Leu Leu Tyr Leu Ser Leu Gly Thr Ser Glu Leu Ala			
100	105	110	
Leu Met Gly Val Met Ala Val Asp His Tyr Val Ala Val Cys Asn Pro			
115	120	125	
Leu Arg Tyr Asn Ile Ile Met Asn Ser Ser Thr Cys Val Trp Met Val			
130	135	140	
Ile Val Ser Trp Val Phe Gly Phe Leu Phe Gln Ile Trp Pro Val Tyr			
145	150	155	160
Ala Thr Phe Gln Leu Thr Phe Cys Lys Ser Asn Val Leu Asp His Phe			
165	170	175	
Tyr Cys Asp Xaa Gly Gln Leu Leu Lys Val Ser Cys Glu Asp Thr Leu			
180	185	190	
Phe Thr Glu Phe Ile Leu Phe Leu Met Ala Val Phe Ile Ile Ile Gly			
195	200	205	
Ser Leu Ile Pro Thr Ile Val Ser Tyr Thr Tyr Ile Ile Ser Thr Ile			
210	215	220	
Leu Lys Ile Pro Leu Ala Ser Gly Trp Arg Lys Ser Phe Ser Thr Cys			
225	230	235	240
Ala Ser His Phe Thr Cys Val Val Ile Gly Tyr Ser Ser Cys Leu Phe			
245	250	255	
Leu Tyr Thr Lys Pro Lys Gln Thr Gln Ala Ala Lys Tyr Asn Arg Ile			
260	265	270	
Ala Ser Leu Leu Val Leu Val Val Thr Pro Phe Leu Asn Pro Phe Ile			
275	280	285	
Phe Thr Leu Arg Asn Asp Lys Phe Ile Gln Ala Phe Gly Asp Gly Met			
290	295	300	
Lys His Cys Tyr Gln Leu Leu Arg Ile			
305	310		

<210> 1651
 <211> 314
 <212> PRT
 <213> Unknown (H38g568 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(314)
 <223> Xaa = Any Amino Acid

<400> 1651

Ile	Xaa	Met	Ala	Asp	Arg	Asn	Val	Thr	Val	Ile	Thr	Glu	Phe	Ile	Leu
1									10					15	
Leu	Gly	Leu	Thr	Asp	Asn	Pro	Glu	Met	Asn	Val	Val	Leu	Ser	Val	Leu
								20		25				30	
Phe	Leu	Leu	Ile	Tyr	Leu	Ile	Thr	Val	Leu	Gly	Asn	Phe	Trp	Ile	Ile
								35		40			45		
Ile	Ile	Ile	Leu	Ala	Ser	Ala	Gln	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe
							50		55			60			
Leu	Ser	Gln	Leu	Ala	Phe	Leu	Asp	Phe	Cys	Tyr	Ser	Ser	Val	Leu	Ile
							65		70		75			80	
Pro	Lys	Met	Leu	Val	Asn	Tyr	Ile	Ala	Gly	Gln	Lys	Val	Ile	Ser	Tyr
							85			90			95		
His	Gly	Cys	Leu	Leu	Gln	Tyr	Ser	Phe	Val	Ser	Leu	Phe	Leu	Thr	Thr
							100		105				110		
Glu	Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Cys	Asp	Arg	Tyr	Leu	Ala	Val
							115		120			125			
Cys	His	Pro	Leu	His	Tyr	Lys	Gly	Leu	Met	Thr	Pro	Thr	Phe	Xaa	Ile
							130		135			140			
Tyr	Leu	Val	Thr	Val	Ser	Tyr	Leu	Leu	Gly	Ser	Val	Asn	Ser	Leu	Thr
							145		150			155			160
His	Leu	Ser	Ser	Leu	Leu	Ser	Leu	Ser	Phe	Cys	Gly	Ser	Asn	Val	Ile
							165			170			175		
Asn	Arg	Tyr	Phe	Cys	Asp	Ile	Pro	Leu	Leu	Phe	Gln	Leu	Ser	Cys	Ser
							180		185			190			
Asn	Thr	Gln	His	Ser	Lys	Ile	Leu	Phe	Thr	Val	Leu	Ser	Gly	Ala	Thr
							195		200			205			
Ser	Val	Thr	Thr	Phe	Leu	Ile	Val	Val	Ser	Ser	Tyr	Leu	Val	Ile	Leu
							210		215			220			
Leu	Ile	Val	Leu	Lys	Ile	His	Ser	Thr	Arg	Gly	Arg	Asn	Lys	Ala	Ile
							225		230			235			240
Ser	Thr	Cys	Ala	Ser	His	Leu	Met	Val	Val	Thr	Leu	Phe	Tyr	Arg	Thr
							245			250			255		
Val	Ile	Phe	Thr	Tyr	Leu	Gly	Ala	Asn	Pro	Gly	Tyr	Ser	Gln	Asp	Arg
							260		265			270			
Pro	Lys	Ile	Leu	Pro	Val	Glu	Cys	Thr	Leu	Leu	Leu	Ser	Ile	Leu	Asn
							275		280			285			
Leu	Leu	Ile	Tyr	Ser	Val	Arg	Asn	Arg	Glu	Val	Lys	Glu	Ala	Ile	Lys
							290		295			300			
Ile	Ile	Ile	Lys	Arg	Lys	Ile	Leu	Pro	Gln						
							305		310						

<210> 1652
 <211> 314
 <212> PRT
 <213> Unknown (H38g569 protein)

<220>

<223> Synthetic construct

<400> 1652

Met	Leu	Met	Asn	Tyr	Ser	Ser	Ala	Thr	Glu	Phe	Tyr	Leu	Leu	Gly	Phe
1									10					15	
Pro	Gly	Ser	Glu	Glu	Leu	His	His	Ile	Leu	Phe	Ala	Ile	Phe	Phe	Phe
								20		25				30	
Phe	Tyr	Leu	Val	Thr	Leu	Met	Gly	Asn	Thr	Val	Ile	Ile	Met	Ile	Val
						35		40					45		
Cys	Val	Asp	Lys	Arg	Leu	Gln	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Gly	His
						50		55					60		
Leu	Ser	Ala	Leu	Glu	Ile	Leu	Val	Thr	Thr	Ile	Ile	Val	Pro	Val	Met
						65		70					80		
Leu	Trp	Gly	Leu	Leu	Pro	Gly	Met	Gln	Thr	Ile	Tyr	Leu	Ser	Ala	
						85		90					95		
Cys	Val	Val	Gln	Leu	Phe	Leu	Tyr	Leu	Ala	Val	Gly	Thr	Thr	Glu	Phe
						100		105					110		
Ala	Leu	Leu	Gly	Ala	Met	Ala	Val	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asn
						115		120					125		
Pro	Leu	Arg	Tyr	Asn	Ile	Ile	Met	Asn	Arg	His	Thr	Cys	Asn	Phe	Val
						130		135					140		
Val	Leu	Val	Ser	Trp	Val	Phe	Gly	Phe	Leu	Phe	Gln	Ile	Trp	Pro	Val
						145		150				155			160
Tyr	Val	Met	Phe	Gln	Leu	Thr	Tyr	Cys	Lys	Ser	Asn	Val	Val	Asn	Asn
						165		170					175		
Phe	Phe	Cys	Asp	Arg	Gly	Gln	Leu	Leu	Lys	Leu	Ser	Cys	Asn	Asn	Thr
						180		185					190		
Leu	Phe	Thr	Glu	Phe	Ile	Leu	Phe	Leu	Met	Ala	Val	Phe	Val	Leu	Phe
						195		200					205		
Gly	Ser	Leu	Ile	Pro	Thr	Ile	Val	Ser	Asn	Ala	Tyr	Ile	Ile	Ser	Thr
						210		215					220		
Ile	Leu	Lys	Ile	Pro	Ser	Ser	Gly	Arg	Arg	Lys	Ser	Phe	Ser	Thr	
						225		230					235		240
Cys	Ala	Ser	His	Phe	Thr	Cys	Val	Val	Ile	Gly	Tyr	Gly	Ser	Cys	Leu
						245		250					255		
Phe	Leu	Tyr	Val	Lys	Pro	Lys	Gln	Thr	Gln	Ala	Ala	Asp	Tyr	Asn	Trp
						260		265					270		
Val	Val	Ser	Leu	Met	Val	Ser	Val	Val	Thr	Pro	Phe	Leu	Asn	Pro	Phe
						275		280					285		
Ile	Phe	Thr	Leu	Arg	Asn	Asp	Lys	Val	Ile	Glu	Ala	Leu	Arg	Asp	Gly
						290		295					300		
Val	Lys	Arg	Cys	Cys	Gln	Leu	Phe	Arg	Asn						
						305		310							

<210> 1653

<211> 312

<212> PRT

<213> Unknown (H38g570 protein)

<220>

<223> Synthetic construct

<400> 1653

Met	Met	Gly	Arg	Arg	Asn	Asp	Thr	Asn	Val	Ala	Asp	Phe	Ile	Leu	Thr
1									10				15		
Gly	Leu	Ser	Asp	Ser	Glu	Glu	Val	Gln	Met	Ala	Leu	Phe	Met	Leu	Phe
									20		25		30		
Leu	Leu	Ile	Tyr	Leu	Ile	Thr	Met	Leu	Gly	Asn	Val	Gly	Met	Leu	Leu
							35		40				45		
Ile	Ile	Arg	Leu	Asp	Leu	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
							50		55				60		

Thr His Leu Ser Phe Ile Asp Leu Ser Tyr Ser Thr Val Val Thr Pro
 65 70 75 80
 Lys Thr Leu Ala Asn Leu Leu Thr Ser Asn Tyr Ile Ser Phe Thr Gly
 85 90 95
 Cys Phe Ala Gln Met Phe Cys Phe Val Phe Leu Gly Thr Ala Glu Cys
 100 105 110
 Tyr Leu Leu Ser Ser Met Ala Tyr Asp Arg Tyr Ala Ala Ile Cys Ser
 115 120 125
 Pro Leu His Tyr Thr Val Ile Met Pro Lys Arg Leu Cys Leu Ala Leu
 130 135 140
 Ile Thr Gly Pro Tyr Val Ile Gly Phe Met Asp Ser Phe Val Asn Val
 145 150 155 160
 Val Ser Met Ser Arg Leu His Phe Cys Asp Ser Asn Ile Ile His His
 165 170 175
 Phe Phe Cys Asp Thr Ser Pro Ile Leu Ala Leu Ser Cys Thr Asp Thr
 180 185 190
 Asp Asn Thr Glu Met Leu Ile Phe Ile Ile Ala Gly Ser Thr Leu Met
 195 200 205
 Val Ser Leu Ile Thr Ile Ser Ala Ser Tyr Val Ser Ile Leu Ser Thr
 210 215 220
 Ile Leu Lys Ile Asn Ser Thr Ser Gly Lys Gln Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Val Ser His Leu Leu Gly Val Thr Ile Phe Tyr Gly Thr Met Ile
 245 250 255
 Phe Thr Tyr Leu Lys Pro Arg Lys Ser Tyr Ser Leu Gly Arg Asp Gln
 260 265 270
 Val Ala Pro Val Phe Tyr Thr Ile Val Ile Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Arg Glu Val Lys Asn Ala Leu Ile Arg Val
 290 295 300
 Met Gln Arg Arg Gln Asp Ser Arg
 305 310

<210> 1654

<211> 245

<212> PRT

<213> Unknown (H38g571 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(245)

<223> Xaa = Any Amino Acid

<400> 1654

Met Ser Xaa Xaa Ile Phe Cys Leu Pro Lys Ile Ile Ile Thr Leu Leu
 1 5 10 15
 Gln Xaa Glu Trp Asp Ala Leu Asn Leu Glu Thr Arg Val Phe Leu Glu
 20 25 30
 Glu Asp Phe Pro Cys Gly Phe Ser Leu Trp Ile Val Arg Gln Leu Ser
 35 40 45
 Phe Phe Leu Glu Ile Asn Xaa Phe Ala His Leu Lys Lys Xaa Cys Arg
 50 55 60
 Lys His Thr Ser Thr Phe Ser Leu Ser Asn Leu Ala Phe Xaa Asp Phe
 65 70 75 80
 Cys Tyr Ala Ser Val Ile Thr Ser Lys Met Phe Gly Ser Phe Leu Tyr
 85 90 95
 Lys Gln Lys Lys Leu Thr Phe Asn Ala Leu Gly Cys Ser Leu Thr Phe
 100 105 110
 Met Thr Thr Glu Cys Leu Leu Ala Phe Met Ala Cys Asp Gln Tyr

115	120	125	
Leu Val Ile Cys Asn Pro Pro	Leu Tyr Met Val Thr Met Ser Pro Pro		
130	135	140	
Gln Gly Val Cys Ile Gln Leu Met Pro Ala Ser	Tyr Ser Tyr Ser Phe		
145	150	155	160
Leu Met Thr Leu Ser His Tyr Leu Ser Ala Phe Arg	Leu Pro Tyr Cys		
165	170	175	
Pro Ser Val Ser Leu Met Phe Asn Gly Ser Leu Phe	Leu Tyr Cys Thr		
180	185	190	
Xaa Cys Ser Glu Asn Ser Leu Asp Thr Asp Arg	Met Ala Ser Val Phe		
195	200	205	
Tyr Thr Val Val Ile Pro Met Leu Ser Pro Leu Ile	Trp Ser Leu Arg		
210	215	220	
Asn Lys Asp Val Lys Asp Ala Leu Arg Lys Val Ile	Val Asn Arg Asn		
225	230	235	240
Gln Ala Leu Phe Cys			
245			

<210> 1655

<211> 312

<212> PRT

<213> Unknown (H38g572 protein)

<220>

<223> Synthetic construct

<400> 1655

Met Ala Pro Glu Asn Phe Thr Arg Val Thr Glu Phe Ile Leu Thr Gly			
1	5	10	15
Val Ser Ser Cys Pro Glu Leu Gln Ile Pro Leu Phe Leu Val Phe Leu			
20	25	30	
Val Leu Tyr Val Leu Thr Met Ala Gly Asn Leu Gly Ile Ile Thr Leu			
35	40	45	
Thr Ser Val Asp Ser Arg Leu Gln Thr Pro Met Tyr Phe Phe Leu Arg			
50	55	60	
His Leu Ala Ile Ile Asn Leu Gly Asn Ser Thr Val Ile Ala Pro Lys			
65	70	75	80
Met Leu Met Asn Phe Leu Val Lys Lys Lys Thr Thr Ser Phe Tyr Glu			
85	90	95	
Cys Ala Thr Gln Leu Gly Phe Leu Phe Phe Ile Val Ser Glu Val			
100	105	110	
Met Met Leu Ala Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn,			
115	120	125	
Pro Leu Leu Tyr Met Val Val Ser Arg Arg Leu Cys Leu Leu Leu			
130	135	140	
Val Ser Leu Thr Tyr Leu Tyr Gly Phe Ser Thr Ala Ile Val Val Ser			
145	150	155	160
Pro Cys Ile Phe Ser Val Ser Tyr Cys Ser Ser Asn Ile Ile Asn His			
165	170	175	
Phe Tyr Cys Asp Ile Ala Pro Leu Leu Ala Leu Ser Cys Ser Asp Thr			
180	185	190	
Tyr Ile Pro Glu Thr Ile Val Phe Ile Ser Ala Ala Thr Asn Leu Phe			
195	200	205	
Phe Ser Met Ile Thr Val Leu Val Ser Tyr Phe Asn Ile Val Leu Ser			
210	215	220	
Ile Leu Arg Ile Arg Ser Pro Glu Gly Arg Lys Lys Ala Phe Ser Thr			
225	230	235	240
Cys Ala Ser His Met Ile Ala Val Thr Val Phe Tyr Gly Thr Met Leu			
245	250	255	
Phe Met Tyr Leu Gln Pro Gln Thr Asn His Ser Leu Asp Thr Asp Lys			
260	265	270	

Met Ala Ser Val Phe Tyr Thr Leu Val Ile Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Asn Asp Val Asn Val Ala Leu Lys Lys Phe
 290 295 300
 Met Glu Asn Pro Cys Tyr Ser Phe
 305 310

<210> 1656
 <211> 161
 <212> PRT
 <213> Unknown (H38g573 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(161)
 <223> Xaa = Any Amino Acid

<400> 1656
 Ile Cys Gly Ser His Ser Gly Val Thr Glu Phe Cys Leu Leu Gly Phe
 1 5 10 15
 Pro Gly Ser Gln Xaa Val Cys His Leu Leu Pro Ser Ser Phe Val Ser
 20 25 30
 Ile Val Ile Arg Asn Tyr Val Ile Ile Val Cys Val Glu Lys Cys
 35 40 45
 Leu Leu Phe Leu Leu Tyr Leu Phe Tyr Gly Asp Leu Ser Val Met Glu
 50 55 60
 Ile Leu Ile Thr Tyr Thr Ala Val Pro Leu Met Leu Arg Gly Cys Tyr
 65 70 75 80
 Phe Pro Xaa Phe Lys Gln Tyr Leu Xaa Xaa His Val Ser Val Gln Leu
 85 90 95
 Tyr Met Asn Phe Phe Gly Gly Thr Gln Glu Phe Ala Leu Leu Gly Val
 100 105 110
 Met Thr Val Asn His Tyr Val Ala Leu Cys Asn Ser Leu Lys Xaa Asn
 115 120 125
 Ile Ile Met Ser Ser Thr His Cys Ile Trp Leu Val Ile Val Leu Leu
 130 135 140
 Ile Gly Phe Leu Ser Glu Ile Trp Ser Val Tyr Ala Thr Phe Gln Leu
 145 150 155 160
 Pro

<210> 1657
 <211> 324
 <212> PRT
 <213> Unknown (H38g574 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(324)
 <223> Xaa = Any Amino Acid

<400> 1657
 His Thr Glu Pro Arg Asn Leu Thr Gly Val Xaa Glu Phe Leu Leu Leu
 1 5 10 15
 Gly Leu Ser Glu Asp Pro Glu Leu Gln Pro Val Leu Ala Leu Leu Ser
 20 25 30
 Leu Ser Leu Ser Met Tyr Leu Val Thr Val Leu Arg Asn Leu Leu Ser

35	40	45
Ile Leu Ala Val Ser Ser Asp Ser Pro Leu His Thr Pro Met Tyr Phe		
50	55	60
Phe Leu Ser Asn Leu Cys Trp Ala Asp Ile Gly Phe Thr Ser Ala Met		
65	70	75
Val Pro Lys Met Ile Val Asp Met Gln Ser His Ser Arg Val Ile Ser		
85	90	95
His Glu Gly Cys Leu Thr Gln Met Phe Phe Leu Val Leu Phe Ala Cys		
100	105	110
Ile Glu Gly Met Ile Leu Thr Val Met Ala Tyr Asp Cys Phe Val Ala		
115	120	125
Ile Cys Arg Pro Leu Asn Tyr Pro Val Ile Val Asn Pro His Leu Cys		
130	135	140
Val Phe Phe Ile Leu Met Ser Phe Phe Leu Ser Leu Leu Asp Ser Gln		
145	150	155
Leu His Ser Trp Ile Val Leu Gln Phe Thr Ile Ile Lys Asn Val Glu		
165	170	175
Ile Ser Asn Phe Val Cys Asp Pro Ser Gln Leu Leu Lys Leu Ala Cys		
180	185	190
Ser Asp Ser Val Ile Asn Ser Ile Phe Thr Tyr Phe His Ser Thr Met		
195	200	205
Phe Ala Phe Leu Pro Ile Ser Ala Ile Leu Leu Ser Tyr Tyr Lys Ile		
210	215	220
Val Thr Ser Ile Leu Arg Ile Ser Ser Ser Asp Gly Lys Tyr Lys Ala		
225	230	235
Phe Ser Thr Cys Asp Ser His Leu Ala Val Val Cys Xaa Phe Tyr Gly		
245	250	255
Thr Asp Ile Gly Met Tyr Leu Thr Ser Ala Val Ser Pro Pro Pro Arg		
260	265	270
Asn Gly Val Val Ala Ser Met Met Tyr Ala Val Val Thr Pro Met Leu		
275	280	285
Asn Leu Phe Ile Tyr Ser Leu Arg Asn Arg Asp Ile Gln Ser Ala Leu		
290	295	300
Arg Arg Leu Arg Ser Arg Thr Val Glu Ser Pro Xaa Ser Val Pro Ser		
305	310	315
Phe Phe Leu Cys		

<210> 1658
 <211> 320
 <212> PRT
 <213> Unknown (H38g575 protein)

<220>
 <223> Synthetic construct

 <221> VARIANT
 <222> (1)...(320)
 <223> Xaa = Any Amino Acid

<400> 1658
 His Thr Lys Pro Arg Asn Leu Thr Gly Val Xaa Glu Phe Leu Leu
 1 5 10 15
 Gly Leu Ser Glu Asp Pro Glu Leu Gln Pro Ile Leu Ala Gly Leu Ser
 20 25 30
 Leu Ser Met Tyr Leu Val Thr Val Leu Arg Asn Leu Leu Ile Ile Leu
 35 40 45
 Ala Val Ser Ser Asp Ser His Leu His Thr Pro Met Cys Phe Phe Leu
 50 55 60
 Ser Asn Leu Cys Trp Ala Asp Ile Gly Phe Thr Ser Ala Thr Val Pro
 65 70 75 80

Lys Met Ile Val Asp Met Gln Ser His Ser Arg Val Ile Ser Tyr Glu
 85 90 95
 Gly Cys Leu Thr Arg Met Ser Phe Leu Val Leu Phe Ala Cys Thr Glu
 100 105 110
 Asp Met Leu Leu Thr Val Met Ala Tyr Asp Cys Phe Val Ala Ile Cys
 115 120 125
 Arg Pro Leu His Tyr Pro Val Ile Val Asn Pro His Leu Cys Val Phe
 130 135 140
 Phe Ile Leu Val Ser Phe Phe Leu Ser Leu Leu Asp Ser Gln Leu His
 145 150 155 160
 Ser Xaa Val Val Leu Gln Phe Thr Phe Asn Asn Val Glu Ile Ser
 165 170 175
 Asn Phe Val Cys Glu Pro Ser Gln Leu Val Asn Leu Ala Ser Ser Asp
 180 185 190
 Ser Val Val Asn Ser Ile Phe Ile Tyr Phe Asp Ser Thr Met Phe Gly
 195 200 205
 Phe Leu Pro Ile Leu Gly Val Leu Leu Ser His Tyr Lys Ile Val Pro
 210 215 220
 Ser Ile Leu Arg Ile Ser Ser Ser Asp Gly Lys Tyr Lys Val Phe Ala
 225 230 235 240
 Thr Cys Gly Ser His Leu Ala Val Val Cys Xaa Phe Asp Gly Thr Gly
 245 250 255
 Ile Asp Met Tyr Leu Thr Ser Ala Val Ser Pro Pro His Arg Asn Gly
 260 265 270
 Val Val Ala Ser Val Met Tyr Ala Val Phe Thr Pro Met Leu Asn Pro
 275 280 285
 Phe Ile Tyr Ser Leu Arg Asn Arg Asp Ile Gln Ser Ala Leu Arg Arg
 290 295 300
 Leu Leu Ser Arg Thr Val Glu Ser His Asp Leu Phe His Pro Phe Ser
 305 310 315 320

<210> 1659

<211> 270

<212> PRT

<213> Unknown (H38g576 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(270)

<223> Xaa = Any Amino Acid

<400> 1659

Val Ser Leu Ile Thr Tyr Leu Ile Thr Val Met Ser Asn Leu Gly Met
 1 5 10 15
 Asn Ile Leu Thr Lys Leu Asp Ser His Leu Tyr Thr Pro Val Val Tyr
 20 25 30
 Phe Leu Ile Lys His Ile Phe Phe Ile Asp Phe Tyr Asn Cys Ile Val
 35 40 45
 Ile Tyr Thr Asn Lys Met Leu Asn Phe Val Val Asp Gln Asn Asn Ile
 50 55 60
 Ser Tyr Tyr Ala Cys Ala Thr His Met Thr Phe Phe Met Phe Ile Ile
 65 70 75 80
 Thr Glu Leu Leu Ile Leu Val Ser Met Ala Tyr Asp Cys Tyr Val Val
 85 90 95
 Asn Ser Asn Pro Leu Phe Tyr Ile Val Ile Met Cys Leu Xaa Leu Xaa
 100 105 110
 His Val Leu Met Ser Ile Pro Tyr Leu Cys Asn Thr Phe Gln Ser Leu
 115 120 125
 Ile Ile Thr Ile Asp Leu Phe Leu Thr Phe Cys Ser Phe Ile Ile Ser

130	135	140
His Phe Tyr Cys Tyr Asp Val Leu Phe Phe His Met Leu Cys Ser Asn		
145 150 155 160		
Ala Gln Glu Arg Glu Leu Leu Ile Thr Leu Leu Thr Ala Phe Asn Leu		
165 170 175		
Ile Pro Ser Leu Leu Val Leu Leu Val Leu Asn Ile Leu Ile Leu Leu		
180 185 190		
Ala Ile Cys Xaa Met His Ser Ala Leu Gly Arg Lys Lys Ala Phe Ser		
195 200 205		
Met Cys Gly Ser His Leu Thr Met Val Val Met Phe Tyr Gly Ser Leu		
210 215 220		
Leu Phe Asp Met Asp Lys Val Ala Ser Leu Phe Tyr Thr Leu Met Ile		
225 230 235 240		
Leu Arg Phe Asn Leu Leu Ile Tyr Ser Phe Ser Asn Leu Gly Val Lys		
245 250 255		
Asn Val Phe Tyr Arg Val Phe Lys Asn Xaa Cys Lys Leu Cys		
260 265 270		

<210> 1660

<211> 128

<212> PRT

<213> Unknown (H38g577 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(128)

<223> Xaa = Any Amino Acid

<400> 1660

Met Gly Gly Lys Gln Pro Trp Val Thr Glu Phe Ile Leu Val Gly Phe		
1 5 10 15		
Gln Leu Cys Ala Glu Met Glu Ile Phe Leu Ser Cys Ile Phe Ser Arg		
20 25 30		
Phe Tyr Ala Phe Ser Leu Leu Arg Asn Gly Met Asn Met Gly Leu Thr		
35 40 45		
Tyr Leu Asp Asp Arg Asp Arg Leu His Thr Leu Ile Tyr Ile Phe		
50 55 60		
Leu Ser His Leu Ala Ile Asn Asp Met Tyr Tyr Ala Ser Asn Asn Val		
65 70 75 80		
Pro Lys Arg Gln Val Asn Gln Met Asn Gln Lys Lys Lys Asn Phe Val		
85 90 95		
Leu Trp Ile Lys Gln Ile Phe Leu Tyr Leu Ala Phe Ala His Thr Glu		
100 105 110		
Cys Leu Ile Xaa Ala Met Met Ser Cys Asn Arg Tyr Val Ala Ile Cys		
115 120 125		

<210> 1661

<211> 307

<212> PRT

<213> Unknown (H38g578 protein)

<220>

<223> Synthetic construct

<400> 1661

Met Gly Gln His Asn Leu Thr Val Leu Thr Glu Phe Ile Leu Met Glu		
1 5 10 15		
Leu Thr Arg Arg Pro Glu Leu Gln Ile Pro Leu Phe Gly Val Phe Leu		
20 25 30		

Val Ile Tyr Leu Ile Thr Val Val Gly Asn Leu Thr Met Ile Ile Leu
 35 40 45
 Thr Lys Leu Asp Ser His Leu His Thr Pro Met Tyr Phe Ser Ile Arg
 50 55 60
 His Leu Ala Ser Val Asp Leu Gly Asn Ser Thr Val Ile Cys Pro Lys
 65 70 75 80
 Val Leu Ala Asn Phe Val Val Asp Arg Asn Thr Ile Ser Tyr Tyr Ala
 85 90 95
 Cys Ala Ala Gln Leu Ala Phe Phe Leu Met Phe Ile Ile Ser Glu Phe
 100 105 110
 Phe Ile Leu Ser Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Leu Tyr Tyr Val Ile Met Ser Gln Arg Leu Cys His Val Leu
 130 135 140
 Val Gly Ile Gln Tyr Leu Tyr Ser Thr Phe Gln Ala Leu Met Phe Thr
 145 150 155 160
 Ile Lys Ile Phe Thr Leu Thr Phe Cys Gly Ser Asn Val Ile Ser His
 165 170 175
 Phe Tyr Cys Asp Asp Val Pro Leu Leu Pro Met Leu Cys Ser Asn Ala
 180 185 190
 Gln Glu Ile Glu Leu Leu Ser Ile Leu Phe Ser Val Phe Asn Leu Ile
 195 200 205
 Ser Ser Phe Leu Ile Val Leu Val Ser Tyr Met Leu Ile Leu Leu Ala
 210 215 220
 Ile Cys Gln Met His Ser Ala Glu Gly Arg Lys Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Thr Val Val Val Phe Tyr Gly Ser Leu Leu
 245 250 255
 Phe Met Tyr Met Gln Pro Asn Ser Thr His Phe Phe Asp Thr Asp Lys
 260 265 270
 Met Ala Ser Val Phe Tyr Thr Leu Val Ile Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Glu Glu Val Lys Asn Ala Phe Tyr Lys Leu
 290 295 300
 Phe Glu Asn
 305

<210> 1662

<211> 218

<212> PRT

<213> Unknown (H38g579 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(218)

<223> Xaa = Any Amino Acid

<400> 1662

Leu Pro Asp Ile Ser Phe Thr Ser Thr Thr Val Pro Lys Met Ile Val
 1 5 10 15
 Asp Ile Gln Ser His Ser Arg Val Ile Ser Tyr Ala Gly Cys Leu Thr
 20 25 30
 Gln Met Ser Leu Phe Val Ile Phe Gly Gly Met Glu Glu Ser Met Leu
 35 40 45
 Leu Ser Val Met Ala Tyr Asp Trp Phe Val Ala Ile Cys His Pro Leu
 50 55 60
 Tyr His Ser Ala Ile Met Asn Pro Cys Phe Cys Gly Phe Leu Val Leu
 65 70 75 80
 Leu Ser Phe Phe Phe Ser Val Phe Xaa His Ala Gln Leu His Asn Leu

85	90	95
Ile Ala Leu Gln Val Thr Cys Phe Lys Asp Val Glu Ile Pro Asn Phe		
100	105	110
Phe Cys Asp Pro Ser Gln Leu Pro His Leu Ala Cys Cys Asp Thr Phe		
115	120	125
Thr Ile Asn Ile Ile Met Tyr Phe Pro Ala Ala Ile Phe Gly Phe Leu		
130	135	140
Pro Ile Ser Gly Thr Leu Phe Ser Tyr Ser Lys Ile Val Ser Ser Ile		
145	150	155
Leu Arg Val Ser Ser Ser Gly Gly Arg Tyr Lys Ala Leu Ser Thr Cys		
165	170	175
Gly Ser His Val Ser Val Val Cys Xaa Val Tyr Gly Thr Gly Val Gly		
180	185	190
Gly Tyr Leu Ser Ser Asp Val Ser Phe Ser Pro Arg Lys Gly Ala Val		
195	200	205
Ala Ser Val Met Tyr Ala Val Val Thr Pro		
210	215	

<210> 1663

<211> 227

<212> PRT

<213> Unknown (H38g580 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(227)

<223> Xaa = Any Amino Acid

<400> 1663

Met Tyr Phe Phe Ser Asn Leu Ser Leu Pro Asp Asp Gly Phe Thr			
1	5	10	15
Ser Thr Thr Val Pro Lys Met Ile Val Asp Ile Gln Ser His Ser Arg			
20	25	30	
Val Thr Ser Tyr Ala Gly Cys Leu Thr Gln Met Ser Leu Phe Ala Ile			
35	40	45	
Phe Gly Gly Met Glu Glu Ser Met Leu Leu Ser Val Met Ala Tyr Asp			
50	55	60	
Arg Phe Val Ala Ile Cys His Pro Leu Cys His Ser Ala Ile Thr Asn			
65	70	75	80
Pro Cys Phe Cys Gly Phe Leu Val Leu Leu Ser Phe Phe Phe Leu Ser			
85	90	95	
Leu Leu Asp Ala Gln Leu His Asn Leu Ile Ala Leu Gln Arg Thr Cys			
100	105	110	
Phe Lys Asp Val Glu Ile Pro Asn Phe Phe Cys Asp Pro Ser Gln Phe			
115	120	125	
Pro Arg Leu Ala Cys Cys Gly Thr Phe Thr Asn Asn Ile Ile Met Tyr			
130	135	140	
Phe Pro Ala Ala Ile Phe Gly Phe Leu Pro Ile Ser Gly Thr Leu Phe			
145	150	155	160
Ser Tyr Asp Lys Ile Val Phe Ser Ile Leu Arg Val Ser Ser Ser Gly			
165	170	175	
Gly Lys His Lys Ala Phe Ser Thr Arg Gly Ser His Leu Ser Val Val			
180	185	190	
Cys Xaa Phe Tyr Gly Thr Gly Ile Gly Tyr Leu Ser Ser Asp Val			
195	200	205	
Ser Ser Ser Pro Arg Lys Ala Ala Val Ala Ser Val Met Tyr Thr Val			
210	215	220	
Ala Ile Pro			
225			

<210> 1664
 <211> 194
 <212> PRT
 <213> Unknown (H38g581 protein)

<220>
 <223> Synthetic construct

<400> 1664
 Tyr Phe Phe Leu Ser Asn Leu Ser Phe Leu Asp Leu Cys Phe Thr Ile
 1 5 10 15
 Ser Cys Val Pro Gly Met Leu Val Asn Leu Trp Glu Pro Lys Lys Thr
 20 25 30
 Ile Ile Leu Leu Gly Cys Ser Val Gln Phe Phe Ile Phe Leu Ser Leu
 35 40 45
 Gly Thr Thr Glu Cys Ile Leu Thr Val Met Ala Phe Asp Arg Tyr
 50 55 60
 Met Ala Ile Cys Gln Pro Leu His Tyr Ala Thr Ile Val His Pro Leu
 65 70 75 80
 Leu Cys Trp Gln Leu Ala Ser Val Ala Trp Val Met Ser Leu Val Glu
 85 90 95
 Ser Val Val Gln Thr Pro Ser Thr Leu His Leu Pro Phe Cys Pro Asp
 100 105 110
 Arg Gln Val Asp Asp Phe Val Cys Glu Val Pro Ala Leu Ile Arg Leu
 115 120 125
 Ser Cys Glu Asp Thr Ser Tyr Asn Glu Ile Gln Leu Ala Val Ala Ser
 130 135 140
 Val Phe Ile Leu Ala Val Pro Leu Ser Leu Ile Leu Val Ser Tyr Gly
 145 150 155 160
 Ala Ile Ala Trp Ala Val Leu Arg Thr Asn Ser Ala Lys Gly Gln Arg
 165 170 175
 Lys Ala Phe Gly Thr Cys Ser Ser His Leu Thr Val Val Thr Leu Phe
 180 185 190
 Tyr Ser

<210> 1665
 <211> 320
 <212> PRT
 <213> Unknown (H38g582 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(320)
 <223> Xaa = Any Amino Acid

<400> 1665
 Met Val Ser Ser Asn Gln Thr Ser Pro Val Leu Gly Phe Leu Leu
 1 5 10 15
 Gly Leu Ser Ala His Pro Lys Leu Glu Lys Thr Phe Phe Val Leu Ile
 20 25 30
 Leu Leu Met Tyr Leu Val Ile Leu Leu Gly Asn Gly Val Leu Ile Leu
 35 40 45
 Val Thr Ile Leu Asp Ser Arg Leu Asp Thr Pro Met Tyr Phe Phe Leu
 50 55 60
 Gly Asn Leu Ser Phe Leu Asp Ile Cys Tyr Thr Ser Ser Val Leu
 65 70 75 80
 Asp Ser Phe Leu Thr Pro Arg Lys Thr Ile Ser Phe Ser Ala Cys Ala

85	90	95
Val Gln Met Phe Leu Ser Leu Ala Met	Gly Ala Thr Glu Cys Val Leu	
100 105	110	
Leu Ser Met Met Ala Phe Asp Arg Tyr Val Ala Ile Cys Asn Pro Leu		
115 120	125	
Trp Tyr Pro Glu Val Met Asn Lys Ala Thr Tyr Val Pro Met Ala Ala		
130 135	140	
Gly Ser Trp Val Ala Gly Ser Leu Thr Ala Met Val Gln Thr Pro Leu		
145 150	155	160
Ala Leu Arg Leu Pro Phe Cys Gly Asp Asn Ile Ile Asn His Phe Thr		
165 170	175	
Cys Glu Ile Leu Ala Val Leu Lys Leu Ala Cys Ala Asp Ile Ser Val		
180 185	190	
Asn Val Ile Ser Met Gly Val Ala Asn Val Ile Phe Leu Gly Val Pro		
195 200	205	
Val Leu Phe Ile Ser Phe Ser Tyr Val Phe Ile Ile Ala Thr Ile Leu		
210 215	220	
Arg Ile Pro Ser Ala Glu Gly Arg Lys Lys Ala Phe Ser Thr Cys Ser		
225 230	235	240
Ala His Leu Thr Val Val Ile Val Phe Tyr Gly Thr Ile Leu Phe Met		
245 250	255	
Tyr Gly Lys Pro Lys Ser Lys Asp Pro Leu Gly Ala Asp Lys Gln Asp		
260 265	270	
Leu Ala Asp Lys Leu Ile Ser Leu Phe Tyr Gly Val Val Thr Pro Met		
275 280	285	
Leu Asn Pro Ile Ile Tyr Ser Leu Arg Asn Lys Glu Val Lys Ala Ala		
290 295	300	
Val Arg Asn Leu Val Phe Gln Lys Arg Phe Leu Gln Xaa Trp Trp Arg		
305 310	315	320

<210> 1666

<211> 318

<212> PRT

<213> Unknown (H38g583 protein)

<220>

<223> Synthetic construct

<400> 1666

Met Val Ser Ala Asn Gln Thr Ala Ser Val Thr Glu Phe Ile Leu Leu		
1 5	10	15
Gly Leu Ser Ala His Pro Lys Leu Glu Lys Thr Phe Phe Val Leu Ile		
20 25	30	
Leu Leu Met Tyr Leu Val Ile Leu Leu Gly Asn Gly Val Leu Ile Leu		
35 40	45	
Met Thr Val Ser Asn Ser His Leu His Met Pro Met Tyr Phe Phe Leu		
50 55	60	
Gly Asn Leu Ser Phe Leu Asp Ile Cys Tyr Thr Thr Tyr Ser Val Pro		
65 70	75	80
Leu Ile Leu Asp Ser Phe Leu Thr Pro Arg Lys Thr Ile Ser Phe Ser		
85 90	95	
Ala Cys Ala Val Gln Met Phe Leu Ser Phe Ala Met Gly Ala Thr Glu		
100 105	110	
Cys Val Leu Leu Ser Met Met Ala Phe Asp Arg Tyr Val Ala Ile Cys		
115 120	125	
Asn Pro Leu Arg Tyr Pro Val Val Met Ser Lys Ala Ala Tyr Met Pro		
130 135	140	
Met Ala Val Gly Ser Trp Val Ala Gly Ser Thr Ala Ser Met Val Gln		
145 150	155	160
Thr Ser Leu Ala Met Arg Leu Pro Phe Cys Gly Asp Asn Ile Ile Asn		
165 170	175	

His Phe Thr Cys Glu Ile Leu Ala Val Gln Lys Leu Ala Cys Ala Asp
 180 185 190
 Ile Ser Val Asn Val Ile Ser Met Gly Val Thr Asn Val Ile Phe Leu
 195 200 205
 Gly Val Pro Val Leu Phe Ile Ser Phe Ser Tyr Val Phe Ile Ile Ala
 210 215 220
 Thr Ile Leu Arg Ile Pro Ser Ala Glu Gly Arg Lys Lys Ala Phe Ser
 225 230 235 240
 Thr Cys Ser Ala His Leu Thr Val Val Ile Phe Tyr Gly Thr Ile
 245 250 255
 Leu Phe Met Tyr Gly Lys Pro Lys Ser Lys Asp Pro Leu Gly Ala Asp
 260 265 270
 Lys Gln Asp Phe Ala Asp Lys Leu Ile Ser Leu Phe Tyr Gly Val Val
 275 280 285
 Thr Pro Met Leu Asn Pro Ile Ile Tyr Ser Leu Arg Asn Lys Asp Val
 290 295 300
 Lys Ala Ala Val Arg Asp Leu Ile Phe Gln Lys Cys Phe Ala
 305 310 315

<210> 1667

<211> 321

<212> PRT

<213> Unknown (H38g584 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(321)

<223> Xaa = Any Amino Acid

<400> 1667

Met Asn Arg Ser Asn Glu Ala Ser Pro Val Leu Gly Phe Val Leu Leu
 1 5 10 15
 Gly Leu Ser Ala His Pro Xaa Leu Glu Lys Thr Phe Phe Val Phe Ile
 20 25 30
 Leu Leu Val Tyr Leu Val Ile Leu Leu Gly Asn Gly Val Leu Ile Leu
 35 40 45
 Val Thr Ile Leu Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Leu
 50 55 60
 Gly Asn Leu Ser Phe Leu Asp Ile Cys Tyr Thr Thr Ser Ser Val Leu
 65 70 75 80
 Asp Ser Phe Leu Thr Pro Arg Lys Thr Ile Ser Phe Ser Ala Cys Ala
 85 90 95
 Val Gln Met Phe Leu Ser Phe Ala Met Gly Ala Thr Glu Cys Val Leu
 100 105 110
 Leu Ser Met Met Ala Phe Asp His Tyr Leu Asp Met Cys Asn Pro Leu
 115 120 125
 Arg Tyr Pro Val Val Met Ser Lys Ala Ala Tyr Met Pro Met Ala Val
 130 135 140
 Gly Ser Trp Ala Ala Gly Ile Thr Asn Ser Val Val Gln Ile Ser Leu
 145 150 155 160
 Ala Met Xaa Leu Pro Phe Cys Gly Asp Asn Val Ile Asn His Phe Thr
 165 170 175
 Cys Glu Ile Leu Ala Val Leu Lys Leu Ala Cys Ala Asp Ile Cys Ile
 180 185 190
 Asn Val Ile Ser Met Val Val Thr Asn Met Ile Phe Leu Ala Leu Pro
 195 200 205
 Val Leu Phe Ile Phe Val Ser Tyr Val Phe Ile Ile Ala Thr Ile Leu
 210 215 220
 Arg Ile Pro Ser Ala Glu Gly Arg Lys Lys Ala Phe Ser Thr Cys Ser

225	230	235	240
Ala His Leu Thr Val Val Ile Val Phe Tyr Gly Met Ile Leu Phe Met			
245	250	255	
Tyr Gly Lys Pro Lys Ser Lys Asp Pro Met Gly Ala Asp Lys Gln Asp			
260	265	270	
Leu Ala Asp Lys Leu Ile Ser Ile Phe Tyr Gly Val Val Thr Pro Ile			
275	280	285	
Leu Asn Pro Ile Ile Tyr Ser Pro Arg Asn Lys Asp Leu Lys Ala Ala			
290	295	300	
Met Arg Asn Leu Val Ala Gln Lys His Leu Thr Glu Xaa Leu Ser Gln			
305	310	315	320
Ile			

<210> 1668

<211> 125

<212> PRT

<213> Unknown (H38g585 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(125)

<223> Xaa = Any Amino Acid

<400> 1668

Arg Leu Asn Val Ile Ser His Leu Pro Phe Tyr Gly Asp Ile Ile Asn			
1	5	10	15
His Leu Thr Cys Glu Val Leu Ala Val Leu Lys Leu Ala Cys Ala Asp			
20	25	30	
Ile Ser Ile Asn Met Ile Arg Gln Lys Ala Phe Ser Thr Cys Ser Ala			
35	40	45	
His Leu Thr Val Val Val Ile Phe Tyr Arg Thr Ile Leu Phe Thr His			
50	55	60	
Gly Lys Pro Lys Ser Lys Asp Pro Leu Gly Ala Asp Lys Gln Asp Phe			
65	70	75	80
Ala Asp Lys Leu Ile Ser Leu Ser Tyr Gly Val Val Thr Pro Met Leu			
85	90	95	
Asn Thr Ile Ile Tyr Ser Leu Arg Lys Lys Gly Val Lys Ala Ala Val			
100	105	110	
Lys Asn Leu Val Phe Gln Lys Pro Leu Thr Glu Xaa Gln			
115	120	125	

<210> 1669

<211> 216

<212> PRT

<213> Unknown (H38g586 protein)

<220>

<223> Synthetic construct

<400> 1669

Phe Val Asp Met Gly Leu Thr Ser Ser Thr Val Thr Lys Met Leu Val			
1	5	10	15
Asn Ile Gln Thr Arg His His Thr Ile Thr Tyr Thr Gly Cys Leu Thr			
20	25	30	
Gln Met Tyr Phe Phe Leu Met Phe Gly Asp Leu Asp Ser Phe Phe Leu			
35	40	45	
Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His Pro Leu Cys			
50	55	60	

Tyr Ser Thr Val Met Arg Pro Gln Val Cys Ala Leu Met Leu Ala Leu
 65 70 75 80
 Cys Trp Val Leu Thr Asn Ile Val Ala Leu Thr His Thr Phe Leu Met
 85 90 95
 Ala Arg Leu Ser Phe Cys Val Thr Gly Glu Ile Ala His Phe Phe Cys
 100 105 110
 Asp Ile Thr Pro Val Leu Lys Leu Ser Cys Ser Asp Thr His Ile Asn
 115 120 125
 Glu Met Met Val Phe Val Leu Gly Gly Thr Val Leu Ile Val Pro Phe
 130 135 140
 Leu Cys Ile Val Thr Ser Tyr Ile His Ile Val Pro Ala Ile Leu Arg
 145 150 155 160
 Val Arg Thr Arg Gly Gly Val Gly Lys Ala Phe Ser Thr Cys Ser Ser
 165 170 175
 His Leu Cys Val Val Cys Val Phe Tyr Gly Thr Leu Phe Ser Ala Tyr
 180 185 190
 Leu Cys Pro Pro Ser Ile Ala Ser Glu Glu Lys Asp Ile Ala Ala Ala
 195 200 205
 Ala Met Tyr Thr Ile Val Thr Pro
 210 215

<210> 1670

<211> 319

<212> PRT

<213> Unknown (H38g587 protein)

<220>

<223> Synthetic construct

<400> 1670

Met Glu Lys Ala Asn Glu Thr Ser Pro Val Met Gly Phe Val Leu Leu
 1 5 10 15
 Arg Leu Ser Ala His Pro Glu Leu Glu Lys Thr Phe Phe Val Leu Ile
 20 25 30
 Leu Leu Met Tyr Leu Val Ile Leu Leu Gly Asn Gly Val Leu Ile Leu
 35 40 45
 Val Thr Ile Leu Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Leu
 50 55 60
 Gly Asn Leu Ser Phe Leu Asp Ile Cys Phe Thr Thr Ser Ser Val Pro
 65 70 75 80
 Leu Val Leu Asp Ser Phe Leu Thr Pro Gln Glu Thr Ile Ser Phe Ser
 85 90 95
 Ala Cys Ala Val Gln Met Ala Leu Ser Phe Ala Met Ala Gly Thr Glu
 100 105 110
 Cys Leu Leu Leu Ser Met Met Ala Phe Asp Arg Tyr Val Ala Ile Cys
 115 120 125
 Asn Pro Leu Arg Tyr Ser Val Ile Met Ser Lys Ala Ala Tyr Met Pro
 130 135 140
 Met Ala Ala Ser Ser Trp Ala Ile Gly Gly Ala Ala Ser Val Val His
 145 150 155 160
 Thr Ser Leu Ala Ile Gln Leu Pro Phe Cys Gly Asp Asn Val Ile Asn
 165 170 175
 His Phe Thr Cys Glu Ile Leu Ala Val Leu Lys Leu Ala Cys Ala Asp
 180 185 190
 Ile Ser Ile Asn Val Ile Ser Met Glu Val Thr Asn Val Ile Phe Leu
 195 200 205
 Gly Val Pro Val Leu Phe Ile Ser Phe Ser Tyr Val Phe Ile Ile Thr
 210 215 220
 Thr Ile Leu Arg Ile Pro Ser Ala Glu Gly Arg Lys Lys Val Phe Ser
 225 230 235 240
 Thr Cys Ser Ala His Leu Thr Val Val Ile Val Phe Tyr Gly Thr Leu

245	250	255													
Phe	Phe	Met	Tyr	Gly	Lys	Pro	Lys	Ser	Lys	Asp	Ser	Met	Gly	Ala	Asp
260							265						270		
Lys	Glu	Asp	Leu	Ser	Asp	Lys	Leu	Ile	Pro	Leu	Phe	Tyr	Gly	Val	Val
275							280						285		
Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val
290							295						300		
Lys	Ala	Ala	Ala	Val	Arg	Arg	Leu	Leu	Arg	Pro	Lys	Gly	Phe	Thr	Gln
305							310						315		

<210> 1671

<211> 218

<212> PRT

<213> Unknown (H38g588 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(218)

<223> Xaa = Any Amino Acid

<400> 1671

Leu	Pro	Asp	Ile	Gly	Phe	Thr	Ser	Thr	Thr	Val	Pro	Lys	Met	Ile	Val
1														15	
Asp	Ile	Gln	Ser	His	Ser	Arg	Val	Ile	Ser	Tyr	Ala	Gly	Cys	Leu	Thr
								20	25					30	
Gln	Met	Ser	Leu	Phe	Ala	Ile	Phe	Gly	Gly	Met	Glu	Glu	Ser	Met	Leu
								35	40					45	
Leu	Ser	Val	Ile	Ala	Tyr	Glu	Arg	Phe	Val	Ala	Ile	Cys	His	Pro	Leu
								50	55					60	
Tyr	His	Ser	Ala	Ile	Met	Asn	Pro	Cys	Phe	Cys	Gly	Phe	Leu	Val	Leu
								65	70					80	
Leu	Ser	Phe	Phe	Leu	Ser	Leu	Leu	Asp	Ala	Gln	Leu	His	Asn	Leu	
								85		90				95	
Ile	Ala	Leu	Gln	Arg	Thr	Cys	Phe	Lys	Asp	Val	Glu	Ile	Pro	Asn	Phe
								100		105				110	
Phe	Cys	Asp	Pro	Ser	Gln	Leu	Pro	His	Leu	Ala	Tyr	Cys	Gly	Thr	Phe
								115		120				125	
Thr	Asn	Asn	Ile	Ile	Met	Tyr	Phe	Pro	Ala	Ala	Ile	Phe	Gly	Phe	Leu
								130		135				140	
Pro	Ile	Ser	Gly	Thr	Leu	Phe	Ser	Tyr	Asn	Lys	Ile	Val	Phe	Ser	Ile
								145		150				160	
Leu	Arg	Val	Ser	Ser	Gly	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr	Cys	
								165		170				175	
Gly	Ser	His	Leu	Ser	Val	Val	Cys	Xaa	Phe	Tyr	Gly	Thr	Gly	Ile	Gly
								180		185				190	
Gly	Tyr	Leu	Gly	Ser	Asp	Val	Ser	Ser	Ser	Pro	Arg	Lys	Ala	Ala	Val
								195		200				205	
Ala	Ser	Val	Met	Tyr	Thr	Val	Val	Ile	Pro						
								210		215					

<210> 1672

<211> 216

<212> PRT

<213> Unknown (H38g589 protein)

<220>

<223> Synthetic construct

<400> 1672

Phe Val Asp Val Cys Phe Ser Ser Thr Thr Val Pro Lys Val Leu Ala
 1 5 10 15
 Asn His Ile Leu Gly Ser Gln Ala Ile Ser Phe Ser Gly Cys Leu Thr
 20 25 30
 Gln Leu Tyr Phe Leu Ala Val Cys Gly Asn Met Asp Asn Phe Leu Leu
 35 40 45
 Gly Val Met Ser Tyr Asp Arg Phe Val Ala Ile Cys His Pro Leu His
 50 55 60
 Tyr Thr Thr Lys Met Thr Arg Gln Leu Cys Val Leu Leu Val Val Gly
 65 70 75 80
 Ser Trp Val Val Ala Asn Met Asn Cys Leu Leu His Ile Leu Leu Met
 85 90 95
 Ala Arg Leu Ser Phe Cys Ala Asp Asn Met Ile Pro His Phe Phe Cys
 100 105 110
 Asp Gly Thr Pro Leu Leu Lys Leu Ser Cys Ser Asp Thr His Leu Asn
 115 120 125
 Glu Leu Met Ile Leu Thr Glu Gly Ala Val Val Met Val Thr Pro Phe
 130 135 140
 Val Cys Ile Leu Ile Ser Tyr Ile His Ile Thr Cys Ala Val Leu Arg
 145 150 155 160
 Val Ser Ser Pro Arg Gly Gly Trp Lys Ser Phe Ser Thr Cys Gly Ser
 165 170 175
 His Leu Ala Val Val Cys Leu Phe Tyr Gly Thr Val Ile Ala Val Tyr
 180 185 190
 Phe Asn Pro Ser Ser Ser His Leu Ala Gly Arg Asp Met Ala Ala Ala
 195 200 205
 Val Met Tyr Pro Val Val Thr Pro
 210 215

<210> 1673

<211> 329

<212> PRT

<213> Unknown (H38g590 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(329)

<223> Xaa = Any Amino Acid

<400> 1673

Met Ala Glu Glu Asn Lys Ile Leu Val Thr His Phe Val Leu Thr Gly
 1 5 10 15
 Leu Thr Asp His Pro Gly Leu Gln Ala Pro Leu Phe Leu Val Phe Leu
 20 25 30
 Val Ile Tyr Leu Ile Thr Leu Val Gly Asn Leu Gly Leu Met Ala Leu
 35 40 45
 Ile Trp Lys Asp Pro His Leu His Thr Pro Ile Tyr Leu Phe Leu Gly
 50 55 60
 Ser Leu Ala Phe Ala Asp Ala Cys Thr Ser Ser Val Thr Ser Lys
 65 70 75 80
 Met Leu Ile Asn Phe Leu Ser Lys Asn His Met Leu Ser Met Ala Lys
 85 90 95
 Cys Ala Thr Gln Phe Tyr Phe Gly Ser Asn Ala Thr Thr Glu Cys
 100 105 110
 Phe Leu Leu Val Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Leu Tyr Pro Val Val Met Ser Asn Ser Leu Cys Thr Gln Phe
 130 135 140
 Ile Gly Ile Ser Tyr Phe Ile Gly Phe Leu His Ser Ala Ile His Val

145	150	155	160
Gly Leu Leu Phe Arg Leu Thr Phe Cys Arg Ser Asn Ile Ile His Tyr			
165	170	175	
Phe Tyr Cys Glu Ile Leu Gln Leu Phe Lys Ile Ser Cys Thr Asn Pro			
180	185	190	
Thr Val Asn Ile Leu Leu Ile Phe Ile Phe Ser Ala Phe Ile Gln Val			
195	200	205	
Phe Thr Phe Met Thr Leu Ile Val Ser Tyr Ser Tyr Ile Leu Ser Ala			
210	215	220	
Ile Leu Lys Lys Lys Ser Glu Lys Gly Arg Ser Lys Ala Phe Ser Thr			
225	230	235	240
Cys Ser Ala His Leu Leu Ser Val Ser Leu Phe Tyr Gly Thr Leu Phe			
245	250	255	
Phe Met Tyr Val Ser Ser Arg Ser Gly Ser Ala Ala Asp Gln Ala Lys			
260	265	270	
Met Tyr Ser Leu Phe Tyr Thr Ile Ile Ile Pro Leu Leu Asn Pro Phe			
275	280	285	
Ile Tyr Ser Leu Arg Asn Lys Glu Val Ile Asp Ala Leu Arg Arg Ile			
290	295	300	
Met Lys Lys Xaa Ile Val Val Arg Gln His Ser Asn His Phe Phe Phe			
305	310	315	320
Ile Phe Cys Xaa Arg Lys Pro Gln Val			
325			

<210> 1674

<211> 212

<212> PRT

<213> Unknown (H38g591 protein)

<220>

<223> Synthetic construct

<400> 1674

Cys His Ser Gln Val Ser Arg Leu Ala Gly Leu Gly Tyr Leu Glu Gly			
1	5	10	15
Arg Arg Leu Ser Ser Ser Tyr Asn Ala Cys Ala Ala Gln Met Phe Phe			
20	25	30	
Phe Val Ala Leu Ala Thr Val Glu Asn Ile Leu Leu Thr Ser Met Ala			
35	40	45	
Tyr Asp His Tyr Ile Ala Val Cys Lys Pro Leu His Tyr Thr Thr Thr			
50	55	60	
Thr Ile Ala Ser Val Cys Ala His Leu Val Ile Gly Ser Tyr Val Cys			
65	70	75	80
Gly Phe Leu Asn Ala Ser Leu Arg Ile Val Asp Ile Phe Ser Leu Ser			
85	90	95	
Phe Cys Lys Ser Asn Leu Val His His Leu Phe Cys Asp Val Pro Pro			
100	105	110	
Val Met Ala Val Ser Cys Ser Gly Lys His Ile Ser Lys Lys Ile Leu			
115	120	125	
Val Phe Met Ser Ser Phe Asn Val Phe Leu Ala Leu Leu Val Ile Leu			
130	135	140	
Thr Ser Tyr Leu Phe Ile Phe Ile Thr Ile Leu Lys Met His Ser Ala			
145	150	155	160
Gln Gly His Leu Lys Ala Leu Ser Thr Cys Ala Ser His Leu Ile Ala			
165	170	175	
Val Ser Ile Phe Tyr Gly Thr Thr Ile Phe Met Tyr Leu Gln Pro Ser			
180	185	190	
Ser Ser His Ser Met Asp Thr Asp Glu Met Ala Ser Leu Phe Tyr Ala			
195	200	205	
Val Phe Ile Ser			
210			

<210> 1675

<211> 314

<212> PRT

<213> Unknown (H38g592 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(314)

<223> Xaa = Any Amino Acid

<400> 1675

Met	Gly	Asp	Asn	Gln	Ser	Arg	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly	Phe
1															15
Gln	Leu	Ser	Val	Glu	Met	Glu	Val	Leu	Leu	Phe	Trp	Ile	Phe	Ser	Leu
20															30
Leu	Tyr	Leu	Phe	Ser	Leu	Leu	Gly	Asn	Gly	Val	Ile	Phe	Gly	Leu	Ile
35															45
Cys	Leu	Asp	Ser	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
50															60
Leu	Ala	Val	Ile	Asp	Met	Ser	Tyr	Ala	Ser	Asn	Asn	Val	Pro	Lys	Met
65															80
Leu	Ala	Asn	Leu	Val	Asn	Gln	Lys	Arg	Thr	Ile	Ser	Phe	Ile	Ser	Cys
85															95
Ile	Met	Gln	Thr	Phe	Leu	Tyr	Leu	Ala	Phe	Ala	Val	Thr	Val	Cys	Leu
100															110
Ile	Leu	Val	Val	Met	Ser	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His	Pro
115															125
Leu	His	Tyr	Thr	Val	Ile	Met	Ser	Trp	Arg	Val	Cys	Thr	Val	Leu	Ala
130															140
Val	Ala	Ser	Trp	Val	Phe	Ser	Phe	Leu	Leu	Ala	Leu	Val	His	Leu	Val
145															160
Leu	Ile	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Gln	Glu	Val	Asn	His	Phe
165															175
Phe	Gly	Glu	Ile	Leu	Ser	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Trp
180															190
Leu	Asn	Gln	Val	Val	Ile	Phe	Ala	Ala	Cys	Met	Phe	Ile	Leu	Val	Gly
195															205
Xaa	Leu	Cys	Leu	Val	Leu	Val	Ser	Tyr	Leu	His	Ile	Leu	Ala	Ala	Ile
210															220
Leu	Arg	Ile	Gln	Ser	Gly	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys
225															240
Ser	Ser	His	Leu	Cys	Val	Val	Gly	Leu	Phe	Phe	Gly	Ser	Ala	Ile	Val
245															255
Met	Tyr	Met	Ala	Pro	Lys	Ser	Ser	His	Ser	Gln	Glu	Arg	Arg	Lys	Ile
260															270
Leu	Ser	Leu	Phe	Tyr	Ser	Leu	Phe	Asn	Pro	Ile	Leu	Asn	Pro	Leu	Ile
275															285
Tyr	Ser	Leu	Arg	Asn	Ala	Glu	Val	Lys	Gly	Ala	Leu	Lys	Arg	Val	Leu
290															300
Trp	Lys	Gln	Arg	Ser	Ile	Glu	Glu	Ser	Phe						
305															

<210> 1676

<211> 216

<212> PRT

<213> Unknown (H38g593 protein)

<220>

<223> Synthetic construct

<400> 1676

Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Ile	Pro	Lys	Leu	Leu	Gln
1															15
Asn	Met	Gln	Asn	Gln	Asp	Pro	Ser	Ile	Pro	Tyr	Ala	Asp	Cys	Leu	Thr
															30
Gln	Met	Tyr	Phe	Phe	Leu	Leu	Phe	Gly	Asp	Leu	Glu	Ser	Phe	Leu	Leu
															45
Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe	Pro	Leu	His
															60
Tyr	Thr	Ala	Ile	Met	Ser	Pro	Met	Leu	Cys	Leu	Ala	Leu	Val	Ala	Leu
															80
Ser	Trp	Val	Leu	Thr	Thr	Phe	His	Ala	Met	Leu	His	Thr	Leu	Leu	Met
															95
Ala	Arg	Leu	Cys	Phe	Cys	Ala	Asp	Asn	Val	Ile	Pro	His	Phe	Phe	Cys
															110
Asp	Met	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Phe	Ser	Asp	Thr	Arg	Val	Asn
															125
Glu	Trp	Val	Ile	Phe	Ile	Met	Gly	Gly	Leu	Ile	Leu	Val	Ile	Pro	Phe
															140
Leu	Leu	Ile	Leu	Gly	Ser	Tyr	Ala	Arg	Ile	Val	Ser	Ser	Ile	Leu	Lys
															160
Val	Pro	Ser	Ser	Lys	Gly	Ile	Cys	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser
															175
His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Val	Ile	Gly	Leu	Tyr
															190
Leu	Cys	Ser	Ser	Ala	Asn	Ser	Ser	Thr	Leu	Lys	Asp	Thr	Val	Met	Ala
															205
Met	Met	Tyr	Thr	Val	Val	Thr	Pro								
210															215

<210> 1677

<211> 312

<212> PRT

<213> Unknown (H38g594 protein)

<220>

<223> Synthetic construct

<400> 1677

Met	Asp	Gly	Glu	Asn	His	Ser	Val	Val	Ser	Glu	Phe	Leu	Gly		
1														15	
Leu	Thr	His	Ser	Trp	Glu	Ile	Gln	Leu	Leu	Leu	Leu	Val	Phe	Ser	Ser
															30
Val	Leu	Tyr	Val	Ala	Ser	Ile	Thr	Gly	Asn	Ile	Leu	Ile	Val	Phe	Ser
															45
Val	Thr	Thr	Asp	Pro	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala
															60
Ser	Leu	Ser	Phe	Ile	Asp	Leu	Gly	Ala	Cys	Ser	Val	Thr	Ser	Pro	Lys
															80
Met	Ile	Tyr	Asp	Leu	Phe	Arg	Lys	Arg	Lys	Val	Ile	Ser	Phe	Gly	Gly
															95
Cys	Ile	Ala	Gln	Ile	Phe	Phe	Ile	His	Val	Val	Gly	Gly	Val	Glu	Met
															110
Val	Leu	Leu	Ile	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Leu	Cys	Lys
															125
Pro	Leu	His	Tyr	Leu	Thr	Ile	Met	Ser	Pro	Arg	Met	Cys	Leu	Ser	Phe
															140
Leu	Ala	Val	Ala	Trp	Thr	Leu	Gly	Val	Ser	His	Ser	Leu	Phe	Gln	Leu
															160
145															155

Ala Phe Leu Val Asn Leu Ala Phe Cys Gly Pro Asn Val Leu Asp Ser
 165 170 175
 Phe Tyr Cys Asp Leu Pro Arg Leu Leu Arg Leu Ala Cys Thr Asp Thr
 180 185 190
 Tyr Arg Leu Gln Phe Met Val Thr Val Asn Ser Gly Phe Ile Cys Val
 195 200 205
 Gly Thr Phe Phe Ile Leu Leu Ile Ser Tyr Val Phe Ile Leu Phe Thr
 210 215 220
 Val Trp Lys His Ser Ser Gly Gly Ser Ser Lys Ala Leu Ser Thr Leu
 225 230 235 240
 Ser Ala His Ser Thr Val Val Leu Leu Phe Phe Gly Pro Pro Met Phe
 245 250 255
 Val Tyr Thr Arg Pro His Pro Asn Ser Gln Met Asp Lys Phe Leu Ala
 260 265 270
 Ile Phe Asp Ala Val Leu Thr Pro Phe Leu Asn Pro Val Val Tyr Thr
 275 280 285
 Phe Arg Asn Lys Glu Met Lys Ala Ala Ile Lys Arg Val Cys Lys Gln
 290 295 300
 Leu Val Ile Tyr Lys Arg Ile Ser
 305 310

<210> 1678

<211> 128

<212> PRT

<213> Unknown (H38g595 protein)

<220>

<223> Synthetic construct

<400> 1678

Met Asn Ser Glu Asn Leu Thr Arg Ala Ala Val Ala Pro Ala Glu Phe
 1 5 10 15
 Val Leu Leu Gly Ile Thr Asn Arg Trp Asp Leu Arg Val Ala Leu Phe
 20 25 30
 Leu Thr Cys Leu Pro Val Tyr Leu Val Ser Leu Leu Gly Asn Met Gly
 35 40 45
 Met Ala Leu Leu Ile Arg Met Asp Ala Arg Leu His Thr Pro Met Tyr
 A 50 55 60
 Phe Phe Leu Ala Asn Leu Ser Leu Leu Asp Ala Cys Tyr Ser Ser Ala
 65 70 75 80
 Ile Gly Pro Lys Met Leu Val Asp Leu Leu Pro Arg Ala Thr Ile
 85 90 95
 Pro Tyr Thr Ala Cys Ala Leu Gln Met Phe Val Phe Ala Gly Leu Ala
 100 105 110
 Asp Thr Glu Cys Ser Met Gln Leu Met Pro Lys Val Asn Gln Asn Val
 115 120 125

<210> 1679

<211> 270

<212> PRT

<213> Unknown (H38g596 protein)

<220>

<223> Synthetic construct

<400> 1679

Met Thr Ile Val Leu Leu Ser Ala Leu Asp Ser Arg Leu His Thr Pro
 1 5 10 15
 Met Tyr Phe Phe Leu Ala Asn Leu Ser Phe Leu Asp Met Cys Phe Thr
 20 25 30
 Thr Gly Ser Ile Pro Gln Met Leu Tyr Asn Leu Trp Gly Pro Asp Lys

35	40	45
Thr Ile Ser Tyr Val Gly Cys Ala Ile Gln Leu Tyr Phe Val Leu Ala		
50 55 60		
Leu Gly Gly Val Glu Cys Val Leu Leu Ala Val Met Ala Tyr Asp Arg		
65 70 75 80		
Tyr Ala Ala Val Cys Lys Pro Leu His Tyr Thr Ile Ile Met His Pro		
85 90 95		
Arg Leu Cys Gly Gln Leu Ala Ser Val Ala Trp Leu Ser Gly Phe Gly		
100 105 110		
Asn Ser Leu Ile Met Ala Pro Gln Thr Leu Met Leu Pro Arg Cys Gly		
115 120 125		
His Arg Arg Val Asp His Phe Leu Cys Glu Met Pro Ala Leu Ile Gly		
130 135 140		
Met Ala Cys Val Asp Thr Met Met Leu Glu Ala Leu Ala Phe Ala Leu		
145 150 155 160		
Ala Ile Phe Ile Ile Leu Ala Pro Leu Ile Leu Ile Leu Ser Tyr		
165 170 175		
Gly Tyr Val Gly Gly Thr Val Leu Arg Ile Lys Ser Ala Ala Gly Arg		
180 185 190		
Lys Lys Ala Phe Asn Thr Cys Ser Ser His Leu Ile Val Val Ser Leu		
195 200 205		
Phe Tyr Gly Thr Ile Ile Tyr Met Tyr Leu Gln Pro Ala Asn Thr Tyr		
210 215 220		
Ser Gln Asp Gln Gly Lys Phe Leu Thr Leu Phe Tyr Thr Ile Val Thr		
225 230 235 240		
Pro Ser Val Asn Pro Leu Ile Tyr Thr Leu Arg Asn Lys Asp Val Lys		
245 250 255		
Glu Ala Met Lys Lys Val Leu Gly Lys Gly Ser Ala Glu Ile		
260 265 270		

<210> 1680

<211> 114

<212> PRT

<213> Unknown (H38g597 protein)

<220>

<223> Synthetic construct

<400> 1680

Ile Cys Phe Pro Leu His Tyr Pro Ile Arg Ile Ser Lys Arg Val Cys		
1 5 10 15		
Val Met Met Ile Thr Gly Ser Trp Met Ile Ser Ser Ile Asn Ser Cys		
20 25 30		
Ala His Thr Val Tyr Ala Leu Cys Ile Pro Tyr Cys Lys Ser Arg Ala		
35 40 45		
Ile Asn His Phe Phe Cys Asp Val Pro Ala Met Leu Thr Leu Ala Cys		
50 55 60		
Thr Asp Thr Trp Val Tyr Glu Ser Thr Val Phe Leu Ser Ser Thr Ile		
65 70 75 80		
Phe Leu Val Leu Pro Phe Thr Gly Ile Ala Cys Ser Tyr Gly Arg Val		
85 90 95		
Leu Leu Ala Val Tyr Arg Met His Ser Ala Glu Gly Arg Lys Lys Ala		
100 105 110		
Tyr Ser		

<210> 1681

<211> 212

<212> PRT

<213> Unknown (H38g598 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(212)

<223> Xaa = Any Amino Acid

<400> 1681

Phe	Val	Asp	Ile	Ala	Cys	Ser	Ser	Ala	Thr	Ala	Pro	Lys	Met	Ile	Val
1															
														15	
Asp	Ser	Val	Ser	Glu	Lys	Lys	Thr	Ile	Ser	Tyr	Trp	Gly	Cys	Ile	Thr
				20					25						30
Gln	Met	Phe	Thr	Phe	His	Phe	Phe	Gly	Cys	Ala	Asp	Ile	Phe	Val	Leu
				35				40							45
Thr	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Gln	Pro	Leu	Arg
				50			55								60
Tyr	Thr	Val	Ile	Met	Ser	Ala	Asn	Ala	Tyr	Thr	Val	Leu	Ala	Ser	Leu
				65			70								80
Ser	Trp	Leu	Gly	Ala	Leu	Gly	His	Ser	Phe	Val	Gln	Thr	Leu	Leu	Thr
				85				90							95
Phe	Gln	Leu	Pro	Phe	Cys	Asn	Ala	Gln	Val	Ile	Asp	His	Tyr	Phe	Cys
				100				105							110
Asp	Val	His	Pro	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Thr	Leu	Val
				115			120								125
Ser	Met	Leu	Val	Val	Ala	Asn	Ser	Gly	Leu	Ile	Ser	Leu	Gly	Cys	Phe
				130			135								140
Leu	Ile	Leu	Leu	Ala	Ser	Tyr	Thr	Val	Ile	Leu	Phe	Ser	Leu	Gln	Lys
				145			150								160
Gln	Ser	Ala	Glu	Ser	Xaa	His	Lys	Val	Leu	Ser	Thr	Cys	Gly	Ser	His
				165				170							175
Leu	Thr	Ile	Val	Thr	Phe	Phe	Val	Pro	Cys	Thr	Phe	Ile	Tyr	Arg	
				180			185								190
Pro	Ser	Thr	Thr	Phe	Pro	Leu	Asp	Lys	Ala	Val	Ser	Val	Phe	Tyr	Thr
				195			200								205
Thr	Ile	Thr	Pro												
			210												

<210> 1682

<211> 212

<212> PRT

<213> Unknown (H38g599 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(212)

<223> Xaa = Any Amino Acid

<400> 1682

Phe	Val	Asp	Phe	Cys	Tyr	Ser	Thr	Thr	Ile	Thr	Pro	Lys	Leu	Leu	Glu
1															
														15	
Asn	Leu	Val	Ala	Glu	Asp	Arg	Thr	Ile	Ser	Phe	Thr	Gly	Cys	Thr	Met
				20				25							30
Gln	Leu	Phe	Phe	Val	Cys	Ile	Phe	Val	Val	Thr	Glu	Thr	Cys	Met	Leu
				35			40								45
Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asn	Pro	Leu	Leu
				50			55								60
Tyr	Thr	Val	Ala	Met	Tyr	Gln	Arg	Leu	Cys	Ser	Leu	Leu	Val	Ala	Thr
				65			70								80
Ser	Tyr	Cys	Trp	Gly	Ile	Val	Cys	Ser	Leu	Thr	Leu	Thr	Xaa	Phe	Leu

85	90	95
Leu Glu Leu Ser Phe Arg Gly Asn Asn Ile Ile Asn Asn Phe Val Cys		
100	105	110
Glu His Ala Ala Ile Val Ala Val Ser Cys Ser Asp Pro Cys Val Ser		
115	120	125
Gln Xaa Ile Thr Leu Val Ser Ala Thr Phe Asn Glu Ile Ser Ser Leu		
130	135	140
Thr Ser Tyr Ala Phe Ile Phe Ile Thr Val Met Lys Thr Ala Ser Thr		
145	150	155
Gly Gly Arg Lys Lys Ala Phe Ser Thr Ser Ala Ser His Leu Thr Ala		
165	170	175
Ile Thr Ile Phe His Gly Thr Ile Leu Phe Leu Tyr Cys Val Pro Asn		
180	185	190
Ala Lys Ser Ser Trp Leu Met Val Lys Val Ala Ser Gly Phe Tyr Thr		
195	200	205
Val Val Met Pro		
210		

<210> 1683

<211> 215

<212> PRT

<213> Unknown (H38g600 protein)

<220>

<223> Synthetic construct

<400> 1683

Phe Val Asp Ile Cys Val Thr Ser Thr Thr Val Pro Lys Thr Leu Ser		
1	5	10
Asn Ile Arg Thr Gln Ser Lys Val Ile Thr Tyr Ala Gly Cys Ile Thr		
20	25	30
Gln Met Tyr Phe Phe Val Leu Phe Ile Val Leu Asp Ser Leu Leu Leu		
35	40	45
Thr Val Met Ala Tyr Asp Gln Phe Val Ala Ile Cys His Pro Leu His		
50	55	60
Tyr Thr Val Ile Val Asn Pro Arg Leu Cys Gly Leu Leu Val Leu Ala		
65	70	75
Ser Trp Ile Met Ser Ala Leu Asn Ser Leu Ile Glu Ser Leu Met Val		
85	90	95
Leu Pro Leu Leu Phe Cys Thr Asp Leu Lys Ile Pro His Phe Phe Cys		
100	105	110
Glu Leu Asn Gln Ile Ile Arg Ser Ala Cys Ser Asp Thr Phe Leu Asn		
115	120	125
Asp Met Val Met Tyr Leu Ser Ala Val Leu Leu Gly Arg Gly Cys Phe		
130	135	140
Thr Gly Ile Leu Tyr Ser Tyr Phe Lys Thr Val Ser Ser Ile Arg Ala		
145	150	155
Ile Ser Ser Ala Gln Gly Lys Tyr Lys Ala Phe Ser Thr Cys Ala Ser		
165	170	175
His Leu Ser Val Val Ser Leu Phe Tyr Cys Met Gly Leu Gly Val Tyr		
180	185	190
Leu Ser Ala Ala Ala Pro Thr Thr His Ser Gln Val Gln Gln Pro Leu		
195	200	205
Met Tyr Thr Val Val Thr Pro		
210	215	

<210> 1684

<211> 114

<212> PRT

<213> Unknown (H38g601 protein)

<220>

<223> Synthetic construct

<400> 1684

Ile	Cys	Phe	Pro	Leu	His	Tyr	Pro	Ile	Arg	Met	Arg	Lys	Arg	Val	Cys
1								5		10				15	
Ala	Leu	Met	Ile	Thr	Gly	Ser	Trp	Met	Ile	Gly	Ser	Ile	Asn	Ser	Cys
								20		25			30		
Ala	His	Thr	Val	Tyr	Ala	Leu	Arg	Ile	Pro	Tyr	Cys	Lys	Ser	Arg	Ala
								35		40			45		
Ile	Asn	His	Phe	Phe	Cys	Asp	Val	Pro	Ala	Met	Leu	Thr	Leu	Ala	Cys
								50		55			60		
Thr	Asp	Thr	Trp	Val	Tyr	Glu	Cys	Thr	Val	Phe	Leu	Ser	Thr	Thr	Ile
								65		70			75		80
Phe	Leu	Val	Phe	Phe	Ile	Cys	Ile	Ala	Cys	Ser	Tyr	Gly	Arg	Ile	
								85		90			95		
Leu	Leu	Ala	Val	Tyr	His	Met	His	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala
								100		105			110		
Tyr	Ser														

<210> 1685

<211> 216

<212> PRT

<213> Unknown (H38g602 protein)

<220>

<223> Synthetic construct

<400> 1685

Leu	Val	Asp	Val	Ser	Tyr	Ala	Thr	Ser	Val	Val	Pro	Gln	Leu	Leu	Ala
1									5		10			15	
His	Phe	Leu	Ala	Glu	His	Lys	Ala	Ile	Pro	Phe	Gln	Ser	Cys	Ala	Ala
								20		25			30		
Gln	Leu	Phe	Phe	Ser	Leu	Ala	Leu	Gly	Gly	Ile	Glu	Phe	Val	Leu	Leu
								35		40			45		
Ala	Val	Met	Gly	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asp	Ala	Leu	Arg
								50		55			60		
Tyr	Ser	Ala	Ile	Met	His	Gly	Gly	Leu	Cys	Ala	Arg	Leu	Ala	Ile	Thr
								65		70			75		80
Ser	Trp	Val	Ser	Gly	Phe	Ile	Ser	Ser	Pro	Val	Gln	Thr	Ala	Ile	Thr
								85		90			95		
Phe	Gln	Leu	Pro	Met	Cys	Arg	Asn	Lys	Phe	Ile	Asp	His	Ile	Ser	Cys
								100		105			110		
Glu	Leu	Leu	Ala	Val	Val	Arg	Leu	Ala	Arg	Val	Asp	Thr	Ser	Ser	Asn
								115		120			125		
Glu	Val	Thr	Ile	Met	Val	Ser	Ser	Ile	Val	Leu	Leu	Met	Thr	Pro	Phe
								130		135			140		
Cys	Leu	Val	Leu	Leu	Ser	Tyr	Ile	Gln	Ile	Ile	Ser	Thr	Ile	Leu	Lys
								145		150			155		160
Ile	Gln	Ser	Arg	Glu	Gly	Arg	Lys	Lys	Ala	Phe	His	Thr	Cys	Ala	Ser
								165		170			175		
His	Leu	Thr	Val	Val	Ala	Leu	Cys	Tyr	Gly	Val	Ala	Ile	Phe	Thr	Tyr
								180		185			190		
Ile	Gln	Pro	His	Ser	Ser	Pro	Ser	Val	Leu	Gln	Glu	Lys	Leu	Phe	Ser
								195		200			205		
Val	Phe	Tyr	Ala	Ile	Leu	Thr	Pro								
								210		215					

<210> 1686

<211> 212

<212> PRT

<213> Unknown (H38g603 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(212)

<223> Xaa = Any Amino Acid

<400> 1686

Phe	Val	Asp	Ile	Ala	Cys	Ser	Ser	Ala	Thr	Ala	Pro	Lys	Met	Ile	Glu
1									10					15	
Asp	Phe	Val	Ser	Glu	Lys	Lys	Thr	Ile	Ser	Tyr	Trp	Gly	Cys	Ile	Thr
								20	25				30		
Gln	Met	Phe	Thr	Phe	His	Phe	Gly	Cys	Ala	Glu	Ile	Phe	Val	Leu	
								35	40			45			
Thr	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Gln	Pro	Leu	Arg
								50	55			60			
Tyr	Thr	Val	Ile	Met	Ser	Ala	Asn	Ala	Tyr	Thr	Val	Leu	Ala	Ser	Leu
								65	70			75		80	
Ser	Trp	Leu	Gly	Ala	Leu	Gly	His	Ser	Phe	Val	Gln	Thr	Val	Leu	Thr
								85	90			95			
Phe	Gln	Leu	Pro	Phe	Cys	Asn	Ala	Gln	Val	Ile	Asp	His	Tyr	Phe	Cys
								100	105			110			
Asp	Val	His	Pro	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Thr	Leu	Val
								115	120			125			
Asn	Met	Leu	Val	Val	Ala	Asn	Ser	Gly	Leu	Ile	Ser	Leu	Gly	Cys	Phe
								130	135			140			
Leu	Ile	Leu	Leu	Ala	Ser	Tyr	Thr	Val	Ile	Leu	Phe	Ser	Leu	Gln	Lys
								145	150			155		160	
Gln	Ser	Ala	Glu	Ser	Xaa	His	Lys	Val	Leu	Ser	Thr	Cys	Gly	Ser	His
								165	170			175			
Leu	Thr	Ile	Val	Thr	Phe	Phe	Val	Pro	Cys	Ile	Phe	Ile	Tyr	Arg	
								180	185			190			
Pro	Ser	Thr	Thr	Phe	Pro	Leu	Asp	Lys	Ala	Val	Ser	Val	Phe	Tyr	Thr
								195	200			205			
Thr	Ile	Thr	Pro												
			210												

<210> 1687

<211> 114

<212> PRT

<213> Unknown (H38g604 protein)

<220>

<223> Synthetic construct

<400> 1687

Ile	Cys	Lys	Pro	Leu	Leu	Tyr	Pro	Ala	Ile	Met	Thr	Asn	Gly	Leu	Cys
1									10					15	
Ile	Arg	Leu	Leu	Ile	Leu	Ser	Tyr	Val	Gly	Gly	Leu	Leu	His	Ala	Leu
								20	25			30			
Ile	His	Glu	Gly	Phe	Leu	Phe	Arg	Leu	Thr	Phe	Cys	Asn	Ser	Asn	Ile
								35	40			45			
Val	His	His	Ile	Tyr	Cys	Asp	Ile	Ile	Pro	Leu	Ser	Lys	Ile	Ser	Cys
								50	55			60			
Thr	Asp	Ser	Ser	Ile	Asn	Phe	Leu	Met	Val	Phe	Ile	Phe	Ser	Gly	Ser
								65	70			75		80	
Ile	Gln	Val	Phe	Ser	Ile	Val	Thr	Ile	Leu	Val	Ser	Tyr	Thr	Phe	Val
								85	90			95			

Leu Phe Ala Ile Leu Lys Arg Lys Ser Asp Lys Gly Val Arg Lys Ala
 100 105 110
 Phe Ser

<210> 1688
 <211> 111
 <212> PRT
 <213> Unknown (H38g605 protein)

<220>
 <223> Synthetic construct

<400> 1688
 Ile Cys Asn Pro Leu Arg Tyr Pro Ile Ile Met Ser Arg His Val Cys
 1 5 10 15
 Val Gln Met Ala Ala Ile Ser Trp Val Thr Gly Cys Leu Thr Ala Leu
 20 25 30
 Leu Val Thr Ser Cys Ala Leu Gln Ile Pro Leu Cys Gly Asn Val Ile
 35 40 45
 Asp His Phe Thr Cys Glu Ile Leu Ala Val Leu Lys Leu Ala Cys Val
 50 55 60
 Ser Ser Leu Leu Val Asp Met Val Met Leu Val Val Ser Ile Leu Leu
 65 70 75 80
 Leu Pro Ile Pro Met Leu Leu Ile Cys Ile Ser Tyr Gly Phe Ile Leu
 85 90 95
 Ser Thr Ile Leu Arg Ile Gly Ser Thr Glu Gly Arg Asn Lys Ala
 100 105 110

<210> 1689
 <211> 223
 <212> PRT
 <213> Unknown (H38g606 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(223)
 <223> Xaa = Any Amino Acid

<400> 1689
 Leu Pro Asp Ile Gly Phe Thr Ser Thr Thr Val Pro Lys Met Ile Val
 1 5 10 15
 Asp Ile Gln Ser His Ser Arg Val Ile Ser Tyr Ala Gly Cys Leu Thr
 20 25 30
 Gln Met Ser Leu Phe Ala Ile Cys Gly Gly Met Glu Glu Ser Met Leu
 35 40 45
 Leu Ser Val Met Ala Tyr Gly Arg Phe Val Ala Ile Cys His Pro Leu
 50 55 60
 Tyr Arg Ser Ala Ile Leu Asn Pro Cys Phe Cys Gly Phe Leu Asp Leu
 65 70 75 80
 Leu Ser Ser Phe Cys Phe Val Ser Val Phe Leu Ser Leu Leu Asp Ser
 85 90 95
 Gln Leu His Asn Leu Ile Ala Leu Gln Met Thr Gly Phe Lys Asp Val
 100 105 110
 Asp Ile Pro Asn Phe Phe Trp Glu Pro Ser Gln Leu Leu His Leu Ala
 115 120 125
 Cys Cys Asp Thr Phe Thr Arg Asn Ile Asn Leu Tyr Phe Pro Ala Ala
 130 135 140
 Val Phe Gly Phe Leu Pro Ile Leu Gly Thr Phe Phe Ser Tyr Cys Lys

145	150	155	160
Ile Val Ser Ser Ile Leu Arg Val Ser Ser Ser Gly Gly Lys	Tyr Lys		
165	170	175	
Ala Phe Ser Thr Cys Gly Ser His Leu Pro Val Val Cys Xaa	Phe Cys		
180	185	190	
Gly Thr Gly Val Gly Gly Tyr Leu Gly Ser Asp Val Ser Ser	Pro		
195	200	205	
Arg Lys Ser Ala Val Pro Ser Val Met Tyr Pro Val Val Thr	Ser		
210	215	220	

<210> 1690

<211> 215

<212> PRT

<213> Unknown (H38g607 protein)

<220>

<223> Synthetic construct

<400> 1690

Phe Val Asp Ile Cys Val Thr Ser Thr Thr Val Pro Lys Thr Leu Ser			
1	5	10	15
Asn Ile Arg Thr Gln Ser Lys Val Ile Thr Tyr Ala Asp Cys Ile Thr			
20	25	30	
Gln Met Tyr Phe Phe Val Leu Phe Ile Val Leu Asp Ser Leu Leu Leu			
35	40	45	
Thr Val Met Ala Tyr Asp Gln Phe Val Ala Ile Cys His Pro Leu His			
50	55	60	
Tyr Thr Val Ile Val Asn Pro Arg Leu Cys Gly Leu Leu Val Leu Ala			
65	70	75	80
Ser Trp Ile Met Ser Ala Leu Asn Ser Leu Ile Glu Ser Leu Met Val			
85	90	95	
Leu Pro Leu Leu Phe Cys Thr Asp Leu Lys Ile Pro His Phe Phe Cys			
100	105	110	
Glu Leu Asn Gln Ile Ile Arg Ser Ala Cys Ser Asp Thr Phe Leu Asn			
115	120	125	
Asp Met Val Met Tyr Leu Ser Ala Val Leu Leu Gly Arg Gly Cys Phe			
130	135	140	
Thr Gly Ile Leu Tyr Ser Tyr Phe Lys Thr Val Ser Ser Ile Arg Ala			
145	150	155	160
Ile Ser Ser Ala Gln Gly Lys Tyr Lys Ala Phe Ser Thr Cys Ala Ser			
165	170	175	
His Leu Ser Val Val Ser Leu Phe Tyr Cys Met Ser Leu Gly Val Tyr			
180	185	190	
Leu Ser Ala Ala Ala Pro Thr Thr His Ser Gln Val Gln Gln Pro Leu			
195	200	205	
Met Tyr Thr Val Val Thr Pro			
210	215		

<210> 1691

<211> 278

<212> PRT

<213> Unknown (H38g608 protein)

<220>

<223> Synthetic construct

<400> 1691

Met Ala Ile Arg Asn His Ser Thr Leu His Lys Pro Met Tyr Phe Phe			
1	5	10	15
Leu Ala Asn Met Ser Phe Leu Glu Ile Trp Tyr Val Thr Val Thr Ile			
20	25	30	

Pro Lys Met Leu Ala Gly Phe Val Gly Ser Lys Gln Asp His Gly Gln
 35 40 45
 Leu Ile Ser Phe Glu Gly Cys Met Thr Gln Leu Tyr Phe Phe Leu Gly
 50 55 60
 Leu Gly Cys Thr Glu Cys Val Leu Leu Ala Val Met Ala Asn Asp Arg
 65 70 75 80
 Tyr Met Ala Ile Cys Tyr Leu Leu His Asn Pro Val Ile Val Ser Gly
 85 90 95
 Arg Leu Cys Val Gln Met Ala Ala Gly Ser Trp Ala Gly Phe Gly
 100 105 110
 Ile Ser Met Val Lys Val Phe Leu Ile Ser Gly Leu Ser Asn Gly Gly
 115 120 125
 Pro Asn Ile Ile Asn His Phe Phe Cys Asp Val Ser Pro Leu Leu Asn
 130 135 140
 Leu Ser Cys Thr Asp Met Ser Thr Ala Glu Leu Thr Asp Phe Ile Leu
 145 150 155 160
 Ala Ile Phe Ile Leu Leu Gly Pro Leu Ser Val Thr Gly Ala Ser Tyr
 165 170 175
 Val Ala Ile Thr Gly Ala Val Met His Ile Pro Ser Ala Ala Gly Arg
 180 185 190
 Tyr Lys Ala Phe Ser Thr Cys Ala Ser His Phe Asn Val Val Ile Ile
 195 200 205
 Phe Tyr Ala Ala Ser Ile Phe Ile Tyr Ala Arg Pro Lys Ala Leu Ser
 210 215 220
 Ala Phe Asp Thr Asn Lys Leu Val Ser Val Leu Tyr Ala Val Ile Val
 225 230 235 240
 Pro Leu Leu Asn Pro Ile Ile Tyr Cys Leu Arg Asn Gln Glu Val Lys
 245 250 255
 Arg Ala Leu Cys Cys Ile Leu His Leu Tyr Gln His Gln Asp Pro Asp
 260 265 270
 Pro Lys Lys Gly Ser Arg
 275

<210> 1692

<211> 314

<212> PRT

<213> Unknown (H38g609 protein)

<220>

<223> Synthetic construct

<400> 1692

Met Glu Phe Thr Asp Arg Asn Tyr Thr Leu Val Thr Glu Phe Ile Leu
 1 5 10 15
 Leu Gly Phe Pro Thr Arg Pro Glu Leu Gln Ile Val Leu Phe Leu Met
 20 25 30
 Phe Leu Thr Leu Tyr Ala Ile Ile Leu Ile Gly Asn Ile Gly Leu Met
 35 40 45
 Leu Leu Ile Arg Ile Asp Pro His Leu Gln Thr Pro Met Tyr Phe Phe
 50 55 60
 Leu Ser Asn Leu Ser Phe Val Asp Leu Cys Tyr Phe Ser Asp Ile Val
 65 70 75 80
 Pro Lys Met Leu Val Asn Phe Leu Ser Glu Asn Lys Ser Ile Ser Tyr
 85 90 95
 Tyr Gly Cys Ala Leu Gln Phe Tyr Phe Phe Cys Thr Phe Ala Asp Thr
 100 105 110
 Glu Ser Phe Ile Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile
 115 120 125
 Cys Asn Pro Leu Leu Tyr Thr Val Val Met Ser Arg Gly Ile Cys Met
 130 135 140
 Arg Leu Ile Val Leu Ser Tyr Leu Gly Gly Asn Met Ser Ser Leu Val

145	150	155	160
His Thr Ser Phe Ala Phe Ile Leu Lys Tyr Cys Asp Lys Asn Val Ile			
165	170	175	
Asn His Phe Phe Cys Asp Leu Pro Pro Leu Leu Lys Leu Ser Cys Thr			
180	185	190	
Asp Thr Thr Ile Asn Glu Trp Leu Leu Ser Thr Tyr Gly Ser Ser Val			
195	200	205	
Glu Ile Ile Cys Phe Ile Ile Ile Ile Ser Tyr Phe Phe Ile Leu			
210	215	220	
Leu Ser Val Leu Lys Ile Arg Ser Phe Ser Gly Arg Lys Lys Thr Phe			
225	230	235	240
Ser Thr Cys Ala Ser His Leu Thr Ser Val Thr Ile Tyr Gln Gly Thr			
245	250	255	
Leu Leu Phe Ile Tyr Ser Arg Pro Ser Tyr Leu Tyr Ser Pro Asn Thr			
260	265	270	
Asp Lys Ile Ile Ser Val Phe Tyr Thr Ile Phe Ile Pro Val Leu Asn			
275	280	285	
Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Asp Ala Ala Glu			
290	295	300	
Lys Val Leu Arg Ser Lys Val Asp Ser Ser			
305	310		

<210> 1693

<211> 316

<212> PRT

<213> Unknown (H38g610 protein)

<220>

<223> Synthetic construct

<400> 1693

Met Asp Asn Gln Ser Ser Thr Pro Gly Phe Leu Leu Leu Gly Phe Ser			
1	5	10	15
Glu His Pro Gly Leu Gly Arg Thr Leu Phe Val Asp Val Ile Thr Ser			
20	25	30	
Tyr Leu Leu Thr Leu Val Gly Asn Thr Leu Ile Ile Leu Ser Ala			
35	40	45	
Leu Asp Thr Lys Leu His Ser Pro Met Tyr Phe Phe Leu Ser Asn Leu			
50	55	60	
Ser Phe Leu Asp Leu Cys Phe Thr Thr Ser Cys Val Pro Gln Met Leu			
65	70	75	80
Ala Asn Leu Trp Gly Pro Lys Lys Thr Ile Ser Phe Leu Asp Cys Ser			
85	90	95	
Val Gln Ile Phe Ile Phe Leu Ser Leu Gly Thr Thr Glu Cys Ile Leu			
100	105	110	
Met Lys Val Met Ala Phe Asp Arg Tyr Val Ala Val Cys Gln Pro Leu			
115	120	125	
His Tyr Ala Thr Ile Ile His Pro Arg Leu Cys Trp Gln Leu Ala Ser			
130	135	140	
Val Ala Trp Val Ile Gly Leu Val Gly Ser Val Val Gln Thr Pro Ser			
145	150	155	160
Thr Leu His Leu Pro Phe Cys Pro Asp Arg Gln Val Asp Asp Phe Val			
165	170	175	
Cys Glu Val Pro Ala Leu Ile Arg Leu Ser Cys Glu Asp Thr Ser Tyr			
180	185	190	
Asn Glu Ile Gln Val Ala Val Ala Ser Val Phe Ile Leu Val Val Pro			
195	200	205	
Leu Ser Leu Ile Leu Val Ser Tyr Gly Ala Ile Thr Trp Ala Val Leu			
210	215	220	
Arg Ile Asn Ser Ala Thr Ala Trp Arg Lys Ala Phe Gly Thr Cys Ser			
225	230	235	240

Ser His Leu Thr Val Val Thr Leu Phe Tyr Ser Ser Val Ile Ala Val
 245 250 255
 Tyr Leu Gln Pro Lys Asn Pro Tyr Ala Gln Gly Arg Gly Lys Phe Phe
 260 265 270
 Gly Leu Phe Tyr Ala Val Gly Thr Pro Ser Leu Asn Pro Leu Val Tyr
 275 280 285
 Thr Leu Arg Asn Lys Glu Ile Lys Arg Ala Leu Arg Arg Leu Leu Gly
 290 295 300
 Lys Glu Arg Asp Ser Arg Glu Ser Trp Arg Ala Ala
 305 310 315

<210> 1694

<211> 309

<212> PRT

<213> Unknown (H38g611 protein)

<220>

<223> Synthetic construct

<400> 1694

Met Lys Arg Glu Asn Phe Thr Leu Ile Thr Asp Phe Val Phe Gln Gly
 1 5 10 15
 Phe Ser Ser Phe His Glu Gln Gln Ile Thr Leu Phe Gly Val Phe Leu
 20 25 30
 Ala Leu Tyr Ile Leu Thr Leu Ala Gly Asn Ile Ile Ile Val Thr Ile
 35 40 45
 Ile Arg Ile Asp Leu His Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Met Leu Ser Thr Ser Glu Thr Val Tyr Thr Leu Val Ile Leu Pro Arg
 65 70 75 80
 Met Leu Ser Ser Leu Val Gly Met Ser Gln Pro Met Ser Leu Ala Gly
 85 90 95
 Cys Ala Thr Gln Met Phe Phe Val Thr Phe Gly Ile Thr Asn Cys
 100 105 110
 Phe Leu Leu Thr Ala Met Gly Tyr Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Arg Tyr Met Val Ile Met Asn Lys Arg Leu Arg Ile Gln Leu
 130 135 140
 Val Leu Gly Ala Cys Ser Ile Gly Leu Ile Val Ala Ile Thr Gln Val
 145 150 155 160
 Thr Ser Val Phe Arg Leu Pro Phe Cys Ala Arg Lys Val Pro His Phe
 165 170 175
 Phe Cys Asp Ile Arg Pro Val Met Lys Leu Ser Cys Ile Asp Thr Thr
 180 185 190
 Val Asn Glu Ile Leu Thr Leu Ile Ile Ser Val Leu Val Leu Val Val
 195 200 205
 Pro Met Gly Leu Val Phe Ile Ser Tyr Val Leu Ile Ile Ser Thr Ile
 210 215 220
 Leu Lys Ile Ala Ser Val Glu Gly Arg Lys Lys Ala Phe Ala Thr Cys
 225 230 235 240
 Ala Ser His Leu Thr Val Val Ile Val His Tyr Ser Cys Ala Ser Ile
 245 250 255
 Ala Tyr Leu Lys Pro Lys Ser Glu Asn Thr Arg Glu His Asp Gln Leu
 260 265 270
 Ile Ser Val Thr Tyr Thr Val Ile Thr Pro Leu Leu Asn Pro Val Val
 275 280 285
 Tyr Thr Leu Arg Asn Lys Glu Val Lys Asp Ala Leu Cys Arg Ala Val
 290 295 300
 Gly Gly Lys Phe Ser
 305

<210> 1695
 <211> 216
 <212> PRT
 <213> Unknown (H38g612 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(216)
 <223> Xaa = Any Amino Acid

<400> 1695

Trp	Ala	Asp	Ile	Gly	Phe	Thr	Ser	Ala	Thr	Ala	Pro	Lys	Met	Ile	Val			
1																		
														10	15			
Asp	Met	Gln	Ser	His	Arg	Arg	Ala	Ile	Ser	His	Ala	Gly	Cys	Leu	Thr			
														20	25	30		
Gln	Met	Ser	Phe	Leu	Phe	Leu	Cys	Ala	Cys	Val	Glu	Gly	Met	Leu	Leu			
														35	40	45		
Thr	Val	Met	Ala	Tyr	Asp	Cys	Phe	Val	Asp	Ile	Cys	Arg	Pro	Leu	His			
															50	55	60	
Tyr	Pro	Val	Ile	Gly	Asn	Pro	His	Phe	Cys	Val	Phe	Phe	Val	Gly	Val			
															65	70	75	80
Ser	Phe	Leu	Leu	Ser	Leu	Trp	Asp	Ser	Gln	Leu	His	Ser	Trp	Ile	Val			
															85	90	95	
Leu	Gln	Ile	Thr	Ile	Phe	Lys	Asn	Val	Glu	Ile	Ser	Asn	Phe	Val	Cys			
															100	105	110	
Asp	Pro	Ser	Gln	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Gly	Val	Ile	Asn			
															115	120	125	
Ser	Ile	Phe	Ile	Tyr	Phe	Asp	Ser	Thr	Met	Phe	Gly	Phe	Leu	Pro	Ile			
															130	135	140	
Ser	Gly	Ile	Leu	Trp	Ser	Tyr	Tyr	Lys	Ile	Val	Pro	Ser	Ile	Leu	Arg			
															145	150	155	160
Ile	Ser	Ser	Ser	Asp	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser			
															165	170	175	
His	Gln	Ala	Val	Val	Cys	Xaa	Phe	Tyr	Arg	Thr	Gly	Ile	Gly	Met	Tyr			
															180	185	190	
Leu	Thr	Ser	Ala	Val	Ser	Pro	Pro	Pro	Arg	Asn	Gly	Val	Val	Ala	Ser			
															195	200	205	
Leu	Ile	Tyr	Ala	Leu	Val	Thr	Pro											
															210	215		

<210> 1696
 <211> 214
 <212> PRT
 <213> Unknown (H38g613 protein)

<220>
 <223> Synthetic construct

<400> 1696

Phe	Thr	Asp	Leu	Phe	Phe	Val	Thr	Asn	Thr	Ile	Pro	Lys	Met	Leu	Val			
1															5	10	15	
Asn	Leu	Gln	Ser	Gln	Asn	Lys	Ala	Ile	Ser	Tyr	Thr	Gly	Cys	Leu	Thr			
															20	25	30	
Gln	Leu	Tyr	Phe	Leu	Val	Ser	Leu	Val	Ala	Leu	Asp	Asn	Leu	Asn	Leu			
															35	40	45	
Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu	His			
															50	55	60	
Tyr	Val	Thr	Ala	Met	Ile	Pro	Gly	Leu	Cys	Ile	Leu	Leu	Leu	Ser	Leu			
															65	70	75	80

Cys Trp Val Phe Ser Ala Leu Tyr Gly Leu Ile His Ile Leu Leu Met
 85 90 95
 Thr Arg Val Thr Phe Cys Gly Ser Gln Lys Ile His Tyr Leu Phe Cys
 100 105 110
 Glu Met Tyr Phe Leu Leu Arg Leu Ala Cys Ser Asn Ile His Val Asn
 115 120 125
 His Thr Val Leu Val Ala Thr Gly Cys Phe Ile Phe Leu Ile Pro Leu
 130 135 140
 Gly Phe Met Ile Thr Ser Asn Ala Arg Ile Val Arg Ala Ile Leu Gln
 145 150 155 160
 Ile Pro Ser Ala Thr Gly Lys Tyr Lys Ala Phe Ser Thr Cys Ala Ser
 165 170 175
 His Leu Ala Val Val Ser Leu Phe Tyr Gly Thr Leu Gly Met Val Tyr
 180 185 190
 Leu Gln Pro Leu Gln Thr Tyr Ser Met Lys Asp Ser Val Ala Thr Val
 195 200 205
 Met His Ala Val Val Thr
 210

<210> 1697

<211> 212

<212> PRT

<213> Unknown (H38g614 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(212)

<223> Xaa = Any Amino Acid

<400> 1697

Phe Val Asp Phe Cys Tyr Ser Thr Thr Ile Thr Pro Lys Leu Leu Glu
 1 5 10 15
 Asn Leu Val Val Glu Asp Arg Thr Ile Ser Phe Thr Gly Cys Thr Met
 20 25 30
 Gln Leu Phe Phe Val Cys Ile Phe Val Val Thr Glu Thr Phe Met Leu
 35 40 45
 Ala Val Met Ala Tyr Asp Arg Tyr Val Ala Val Cys Asn Pro Leu Leu
 50 55 60
 Tyr Thr Val Ala Met Tyr Gln Arg Leu Cys Ser Leu Leu Val Ala Thr
 65 70 75 80
 Ser Tyr Cys Trp Gly Ile Val Cys Ser Leu Thr Leu Thr Xaa Phe Leu
 85 90 95
 Leu Glu Leu Ser Phe Arg Gly Asn Asn Ile Ile Asn Asn Phe Val Cys
 100 105 110
 Glu His Ala Ala Ile Val Ala Val Ser Cys Ser Asp Pro Cys Val Ser
 115 120 125
 Gln Glu Ile Thr Leu Val Ser Ala Thr Phe Ser Glu Ile Ser Ser Leu
 130 135 140
 Thr Ser Tyr Ala Phe Ile Phe Ile Thr Val Met Lys Thr Pro Ser Thr
 145 150 155 160
 Gly Gly Arg Lys Lys Ala Phe Ser Thr Ser Ala Ser His Leu Thr Ala
 165 170 175
 Ile Thr Ile Phe His Gly Thr Ile Leu Phe Leu Tyr Cys Val Pro Asn
 180 185 190
 Ser Lys Ser Ser Trp Leu Met Val Lys Val Ala Ser Val Phe Tyr Thr
 195 200 205
 Val Val Ile Pro
 210

<210> 1698
 <211> 212
 <212> PRT
 <213> Unknown (H38g615 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(212)
 <223> Xaa = Any Amino Acid

<400> 1698

Leu	Val	Asp	Phe	Cys	Tyr	Ser	Thr	Thr	Ile	Thr	Pro	Lys	Leu	Leu	Arg
1									10						15
Asn	Leu	Val	Val	Glu	Asp	Arg	Thr	Ile	Ser	Phe	Thr	Gly	Cys	Thr	Met
								20	25					30	
Gln	Leu	Phe	Phe	Val	Cys	Ile	Phe	Val	Val	Thr	Glu	Thr	Phe	Val	Leu
								35	40				45		
Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asn	Pro	Leu	Leu
								50	55			60			
Tyr	Thr	Val	Ala	Met	Tyr	Gln	Arg	Leu	Cys	Ser	Leu	Leu	Val	Ala	Thr
65								70			75			80	
Ser	Tyr	Cys	Trp	Gly	Ile	Val	Cys	Ser	Leu	Thr	Leu	Thr	Xaa	Phe	Leu
								85	90			95			
Leu	Glu	Leu	Ser	Phe	Arg	Gly	Asn	Asn	Ile	Ile	Asn	Asn	Phe	Val	Cys
								100	105			110			
Glu	His	Ala	Ala	Ile	Val	Ala	Val	Ser	Cys	Ser	Asp	Pro	Cys	Val	Ser
								115	120			125			
Gln	Glu	Ile	Thr	Leu	Val	Ser	Ala	Thr	Phe	Asn	Glu	Ile	Ser	Ser	Leu
								130	135			140			
Thr	Ser	Tyr	Ala	Phe	Ile	Phe	Ile	Thr	Val	Met	Arg	Thr	Pro	Ser	Thr
145								150			155			160	
Gly	Gly	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Ser	Ala	Ser	His	Leu	Thr	Ala
								165	170			175			
Ile	Thr	Ile	Phe	His	Gly	Thr	Ile	Leu	Phe	Leu	Tyr	Cys	Val	Pro	Asn
								180	185			190			
Ser	Lys	Ser	Ser	Trp	Leu	Met	Val	Lys	Val	Ala	Ser	Val	Phe	Tyr	Thr
								195	200			205			
Val	Val	Ile	Pro												
		210													

<210> 1699
 <211> 312
 <212> PRT
 <213> Unknown (H38g616 protein)

<220>
 <223> Synthetic construct

<400> 1699

Met	Ser	Ile	Ser	Asn	Ile	Thr	Val	Tyr	Met	Pro	Ser	Val	Leu	Thr	Leu
1									10					15	
Val	Gly	Ile	Pro	Gly	Leu	Glu	Ser	Val	Gln	Cys	Trp	Ile	Gly	Ile	Pro
								20	25			30			
Phe	Cys	Ala	Ile	Tyr	Leu	Ile	Ala	Met	Ile	Gly	Asn	Ser	Leu	Leu	
								35	40			45			
Ser	Ile	Ile	Lys	Ser	Glu	Arg	Ser	Leu	His	Glu	Pro	Leu	Tyr	Ile	Phe
								50	55			60			
Leu	Gly	Met	Leu	Gly	Ala	Thr	Asp	Ile	Ala	Leu	Ala	Ser	Ser	Ile	Met
								65	70			75			80

Pro Lys Met Leu Gly Ile Phe Trp Phe Asn Val Pro Glu Ile Tyr Phe
 85 90 95
 Asp Ser Cys Leu Leu Gln Met Trp Phe Ile His Thr Leu Gln Gly Ile
 100 105 110
 Glu Ser Gly Ile Leu Val Ala Met Ala Leu Asp Arg Tyr Val Ala Ile
 115 120 125
 Cys Tyr Pro Leu Arg His Ala Asn Ile Phe Thr His Gln Leu Val Ile
 130 135 140
 Gln Ile Gly Thr Met Val Val Leu Arg Ala Ala Ile Leu Val Ala Pro
 145 150 160
 Cys Leu Val Leu Ile Lys Cys Arg Phe Gln Phe Tyr His Thr Thr Val
 165 170 175
 Ile Ser His Ser Tyr Cys Glu His Met Ala Ile Val Lys Leu Ala Ala
 180 185 190
 Ala Asn Val Gln Val Asn Lys Ile Tyr Gly Leu Phe Val Ala Phe Thr
 195 200 205
 Val Ala Gly Phe Asp Leu Thr Phe Ile Thr Leu Ser Tyr Ile Gln Ile
 210 215 220
 Phe Ile Thr Val Phe Arg Leu Pro Gln Lys Glu Ala Arg Phe Lys Ala
 225 230 235 240
 Phe Asn Thr Cys Ile Ala His Ile Cys Val Phe Leu Gln Phe Tyr Leu
 245 250 255
 Leu Ala Phe Phe Ser Phe Thr His Arg Phe Gly Ser His Ile Pro
 260 265 270
 Pro Tyr Ile His Ile Leu Phe Ser Ser Ile Tyr Leu Leu Val Pro Pro
 275 280 285
 Phe Leu Asn Pro Leu Val Tyr Gly Ala Lys Thr Thr Gln Ile Arg Ile
 290 295 300
 His Val Val Lys Met Phe Cys Ser
 305 310

<210> 1700

<211> 318

<212> PRT

<213> Unknown (H38g617 protein)

<220>

<223> Synthetic construct

<400> 1700

Met Trp Gln Lys Asn Gln Thr Ser Leu Ala Asp Phe Ile Leu Glu Gly
 1 5 10 15
 Leu Phe Asp Asp Ser Leu Thr His Leu Phe Leu Phe Ser Leu Thr Met
 20 25 30
 Val Val Phe Leu Ile Ala Val Ser Gly Asn Thr Leu Thr Ile Leu Leu
 35 40 45
 Ile Cys Ile Asp Pro Gln Leu His Thr Pro Met Tyr Phe Leu Leu Ser
 50 55 60
 Gln Leu Ser Leu Met Asp Leu Met His Val Ser Thr Ile Ile Leu Lys
 65 70 75 80
 Met Ala Thr Asn Tyr Leu Ser Gly Lys Lys Ser Ile Ser Phe Val Gly
 85 90 95
 Cys Ala Thr Gln His Phe Leu Tyr Leu Cys Leu Gly Gly Ala Glu Cys
 100 105 110
 Phe Leu Leu Ala Val Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys His
 115 120 125
 Pro Leu Arg Tyr Ala Val Leu Met Asn Lys Lys Val Gly Leu Met Met
 130 135 140
 Ala Val Met Ser Trp Leu Gly Ala Ser Val Asn Ser Leu Ile His Met
 145 150 155 160
 Ala Ile Leu Met His Phe Pro Phe Cys Gly Pro Arg Lys Val Tyr His

165	170	175													
Phe	Tyr	Cys	Glu	Phe	Pro	Ala	Val	Val	Lys	Leu	Val	Cys	Gly	Asp	Ile
180							185					190			
Thr	Val	Tyr	Glu	Thr	Thr	Val	Tyr	Ile	Ser	Ser	Ile	Leu	Leu	Leu	
195							200				205				
Pro	Ile	Phe	Leu	Ile	Ser	Thr	Ser	Tyr	Val	Phe	Ile	Leu	Gln	Ser	Val
210					215					220					
Ile	Gln	Met	Arg	Ser	Ser	Gly	Ser	Lys	Arg	Asn	Ala	Phe	Ala	Thr	Cys
225				230				235			240				
Gly	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Trp	Phe	Gly	Ala	Cys	Ile	Phe
245				250				255				255			
Ser	Tyr	Met	Arg	Pro	Arg	Ser	Gln	Cys	Thr	Leu	Leu	Gln	Asn	Lys	Val
260				265				270							
Gly	Ser	Val	Phe	Tyr	Ser	Ile	Ile	Thr	Pro	Thr	Leu	Asn	Ser	Leu	Ile
275				280				285							
Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Ala	Lys	Ala	Leu	Arg	Arg	Val	Leu
290				295				300							
Arg	Arg	Asp	Val	Ile	Thr	Gln	Cys	Ile	Gln	Arg	Leu	Gln	Leu		
305				310				315							

<210> 1701

<211> 294

<212> PRT

<213> Unknown (H38g618 protein)

<220>

<223> Synthetic construct

<400> 1701

Ala	Thr	Tyr	Asn	Ser	Ser	Asn	Thr	Val	Val	Thr	Glu	Phe	Val	Phe	Leu
1								5		10				15	
Ser	Phe	Pro	Glu	Leu	His	His	Leu	Gln	Gly	Leu	Leu	Phe	Val	Ser	Leu
								20		25				30	
Leu	Ile	Ile	Tyr	Val	Val	Thr	Ile	Leu	Glu	Asp	Leu	Ala	Val	Val	Gly
								35		40				45	
Thr	Ile	Arg	Ala	Ser	His	His	Leu	His	Ile	Ser	Thr	His	Leu	Phe	Leu
								50		55				60	
Ala	Gln	Leu	Ser	Val	Leu	Glu	Thr	Leu	Tyr	Thr	Ser	Val	Thr	Val	Pro
	65							70		75				80	
Lys	Leu	Leu	Ala	Gly	Leu	Pro	Ala	Glu	Arg	Arg	Pro	Ser	Ile	Ser	Phe
								85		90				95	
Ser	Gly	His	Leu	Thr	Trp	Leu	Leu	Phe	Leu	Ser	Leu	Ser	Ser	Ser	
								100		105				110	
Glu	Cys	Val	Leu	Pro	Ala	Asn	Met	Asp	Cys	Asp	Trp	His	Pro	Val	Ile
								115		120				125	
Cys	His	Leu	Leu	His	Tyr	Leu	Ser	Pro	Ser	Trp	Thr	Pro	Cys	Ser	Trp
								130		135				140	
Leu	Cys	Leu	His	Leu	Ala	Ile	Ser	Ala	Gln	Leu	Ser	Ser	Phe	Pro	Ala
	145							150		155				160	
Ser	Phe	Val	Ser	Thr	Ala	Leu	Asn	Ser	Ser	Leu	Arg	Leu	Arg	Ser	Pro
								165		170				175	
Asp	Val	Leu	Asn	His	Phe	Cys	Asp	Ile	Pro	Pro	Pro	Leu	Gly	Leu	Ser
								180		185				190	
Cys	Ser	Ser	Thr	Thr	Thr	Ile	Glu	Met	Arg	Thr	Gln	Ala	Ala	Gln	Val
								195		200				205	
Ile	Leu	Ala	Ala	Ser	Leu	Gln	Ala	Thr	Thr	Val	Ser	Tyr	Thr	His	Ile
								210		215				220	
Leu	Ala	Arg	Ser	Leu	Arg	Ile	Pro	Glu	Arg	Pro	Ser	Lys	Leu	Lys	Ala
	225							230		235				240	
Phe	Pro	Thr	Tyr	Ala	Ser	His	Leu	Gly	Cys	Gly	Ser	Ser	Asn	Leu	Ile
								245		250				255	

Lys Leu Val Ser Gly Val Tyr Leu Val Gly Ile Pro Leu Leu Lys Pro
 260 265 270
 Ile Ile Tyr Cys Leu Arg Asn Cys Asn Ile Arg Glu Ala Leu Ala Lys
 275 280 285
 Leu Leu Gln Ala Leu Pro
 290

<210> 1702
 <211> 295
 <212> PRT
 <213> Unknown (H38g619 protein)

<220>
 <223> Synthetic construct

<400> 1702

Ala	Thr	Tyr	Asn	Ser	Ser	Asn	Thr	Val	Val	Thr	Glu	Phe	Val	Phe	Leu
1								10						15	
Ser	Phe	Pro	Glu	Leu	Arg	His	Leu	Gln	Gly	Leu	Leu	Phe	Gly	Leu	Leu
							20		25				30		
Leu	Ile	Ile	Tyr	Val	Val	Thr	Ile	Leu	Glu	Asp	Leu	Ala	Val	Val	Gly
							35		40				45		
Thr	Ile	Arg	Ala	Ser	His	His	Leu	His	Ile	Ser	Thr	His	Leu	Phe	Leu
							50		55				60		
Ala	Lys	Leu	Ser	Val	Leu	Glu	Thr	Leu	Tyr	Thr	Ser	Val	Thr	Val	Pro
	65						70			75				80	
Lys	Leu	Leu	Ala	Gly	Leu	Pro	Gly	Thr	Ser	Asp	Asp	His	Leu	Ile	Ser
							85			90				95	
Phe	Ser	Gly	His	Leu	Thr	Trp	Leu	Leu	Phe	Leu	Ser	Leu	Ser	Ser	
							100		105				110		
Ser	Glu	Cys	Ile	Leu	Pro	Ala	Asn	Met	Asp	Cys	Asp	Trp	His	Pro	Val
							115		120				125		
Ile	Cys	His	Leu	Leu	His	Tyr	Pro	Ala	His	His	Gly	Leu	His	Ala	Ala
							130		135				140		
Arg	Leu	Cys	Leu	His	Leu	Ala	Ile	Ser	Ala	Gln	Leu	Ser	Ser	Phe	Pro
	145						150			155				160	
Ala	Ser	Phe	Val	Ser	Thr	Ala	Leu	Asn	Ser	Ser	Leu	Arg	Leu	Arg	Ser
							165			170			175		
Pro	Asp	Val	Leu	Asn	His	Phe	Cys	Asp	Ile	Pro	Pro	Pro	Leu	Gly	Leu
							180			185			190		
Ser	Cys	Ser	Ser	Thr	Thr	Thr	Ile	Glu	Met	Arg	Thr	Gln	Ala	Ala	Gln
							195		200				205		
Val	Ile	Leu	Ala	Ala	Ser	Leu	Gln	Ala	Thr	Thr	Val	Ser	Tyr	Thr	His
							210		215				220		
Ile	Leu	Ala	Arg	Ser	Leu	Arg	Ile	Pro	Ala	Lys	Ala	Gln	Gln	Leu	Lys
							225		230				235		240
Ala	Phe	Pro	Thr	Tyr	Ala	Ser	His	Leu	Gly	Trp	Arg	Pro	Ser	Asn	Leu
							245			250			255		
Ile	Lys	Leu	Val	Ser	Gly	Val	Tyr	Leu	Val	Gly	Ile	Pro	Leu	Leu	Lys
							260		265				270		
Pro	Ile	Ile	Tyr	Cys	Leu	Arg	Asn	Cys	Asn	Ile	Arg	Glu	Ala	Leu	Ala
							275		280				285		
Lys	Leu	Leu	Gln	Ala	Leu	Pro									
						290		295							

<210> 1703
 <211> 175
 <212> PRT
 <213> Unknown (H38g620 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(175)

<223> Xaa = Any Amino Acid

<400> 1703

Leu	Leu	Met	Ala	Ala	Asp	Asn	His	Thr	Arg	Val	Glu	Ala	Phe	Val	Leu
1															
															15
Gln	Gly	Phe	Ser	Glu	Asp	Leu	Pro	Leu	Gln	Gly	Cys	Cys	Phe	Ala	Phe
															30
Phe	Leu	Leu	Tyr	Leu	Met	Ala	Leu	Val	Gly	Asn	Ile	Leu	Met	Val	Met
															45
Ala	Ile	Ser	Leu	Asn	Pro	Gly	Leu	His	Thr	Pro	Val	Tyr	Phe	Phe	Leu
															60
Thr	Asn	Leu	Ala	Leu	Leu	Asp	Ile	Val	Cys	Thr	Ser	Met	Asp	Asn	Ser
															80
Arg	Val	Val	Ala	Val	Leu	Tyr	Thr	Val	Val	Ser	Pro	Thr	Leu	Asn	Pro
															95
Ser	Pro	Thr	Pro	Cys	Gly	Thr	Arg	Thr	Tyr	Gln	Xaa	His	Xaa	Gly	Glu
															110
Cys	Phe	Leu	Ala	Ser	Gly	Lys	Arg	Lys	Gly	Ser	Phe	Xaa	Cys	Glu	Met
															125
Phe	Gln	Val	Leu	Thr	Asn	Xaa	Phe	Gln	His	Met	Thr	Leu	Arg	Ile	Ser
															140
Cys	Lys	Gln	Gln	Gly	Thr	Arg	Lys	Xaa	Leu	Met	Pro	His	Ile	Tyr	Lys
															160
Xaa	Cys	Ala	Pro	Ala	Arg	Gly	Cys	His	His	Ser	Met	Trp	Asn	Ser	
															175
165															

<210> 1704

<211> 317

<212> PRT

<213> Unknown (H38g621 protein)

<220>

<223> Synthetic construct

<400> 1704

Met	Glu	Arg	Thr	Asn	Asp	Ser	Thr	Ser	Thr	Glu	Phe	Phe	Leu	Val	Gly
1															15
Leu	Ser	Ala	His	Pro	Lys	Leu	Gln	Thr	Val	Phe	Phe	Val	Leu	Ile	Leu
															30
Trp	Met	Tyr	Leu	Met	Ile	Leu	Leu	Gly	Asn	Gly	Val	Leu	Ile	Ser	Val
															45
Ile	Ile	Phe	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys
															60
Asn	Leu	Ser	Phe	Leu	Asp	Val	Cys	Tyr	Thr	Ser	Ser	Ser	Val	Pro	Leu
															80
Ile	Leu	Ala	Ser	Phe	Leu	Ala	Val	Lys	Lys	Lys	Val	Ser	Phe	Ser	Gly
															95
Cys	Met	Val	Gln	Met	Phe	Ile	Ser	Phe	Ala	Met	Gly	Ala	Thr	Glu	Cys
															110
Met	Ile	Leu	Gly	Thr	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Tyr
															125
Pro	Leu	Arg	Tyr	Pro	Val	Ile	Met	Ser	Lys	Gly	Ala	Tyr	Val	Ala	Met
															140
Ala	Ala	Gly	Ser	Trp	Val	Thr	Gly	Leu	Val	Asp	Ser	Val	Val	Gln	Thr
															160
Ala	Phe	Ala	Met	Gln	Leu	Pro	Phe	Cys	Ala	Asn	Asn	Val	Ile	Lys	His
															175
165															

Phe Val Cys Glu Ile Leu Ala Ile Leu Lys Leu Ala Cys Ala Asp Ile
 180 185 190
 Ser Ile Asn Val Ile Ser Met Thr Gly Ser Asn Leu Ile Val Leu Val
 195 200 205
 Ile Pro Leu Leu Val Ile Ser Ile Ser Tyr Ile Phe Ile Val Ala Thr
 210 215 220
 Ile Leu Arg Ile Pro Ser Thr Glu Gly Lys His Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ser Ala His Leu Thr Val Val Ile Ile Phe Tyr Gly Thr Ile Phe
 245 250 255
 Phe Met Tyr Ala Lys Pro Glu Ser Lys Ala Ser Val Asp Ser Gly Asn
 260 265 270
 Glu Asp Ile Ile Glu Ala Leu Ile Ser Leu Phe Tyr Gly Val Met Thr
 275 280 285
 Pro Met Leu Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys
 290 295 300
 Ala Ala Val Lys Asn Ile Leu Cys Arg Lys Asn Phe Ser
 305 310 315

<210> 1705

<211> 318

<212> PRT

<213> Unknown (H38g622 protein)

<220>

<223> Synthetic construct

<400> 1705

Met Glu Trp Glu Asn Gln Thr Ile Leu Val Glu Phe Phe Leu Lys Gly
 1 5 10 15
 His Ser Val His Pro Arg Leu Glu Leu Leu Phe Phe Val Leu Ile Phe
 20 25 30
 Ile Met Tyr Val Val Ile Leu Leu Gly Asn Gly Thr Leu Ile Leu Ile
 35 40 45
 Ser Ile Leu Asp Pro His Leu His Thr Pro Met Tyr Phe Phe Leu Gly
 50 55 60
 Asn Leu Ser Phe Leu Asp Ile Cys Tyr Thr Thr Ser Ile Pro Ser
 65 70 75 80
 Thr Leu Val Ser Phe Leu Ser Glu Arg Lys Thr Ile Ser Phe Ser Gly
 85 90 95
 Cys Ala Val Gln Met Phe Leu Gly Leu Ala Met Gly Thr Thr Glu Cys
 100 105 110
 Val Leu Leu Gly Met Met Ala Phe Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Arg Tyr Pro Ile Ile Met Ser Lys Asn Ala Tyr Val Pro Met
 130 135 140
 Ala Val Gly Ser Trp Phe Ala Gly Ile Val Asn Ser Ala Val Gln Thr
 145 150 155 160
 Thr Phe Val Val Gln Leu Pro Phe Cys Arg Lys Asn Val Ile Asn His
 165 170 175
 Phe Ser Cys Glu Ile Leu Ala Val Met Lys Leu Ala Cys Ala Asp Ile
 180 185 190
 Ser Gly Asn Glu Phe Leu Met Leu Val Ala Thr Ile Leu Phe Thr Leu
 195 200 205
 Met Pro Leu Leu Leu Ile Val Ile Ser Tyr Ser Leu Ile Ile Ser Ser
 210 215 220
 Ile Leu Lys Ile His Ser Ser Glu Gly Arg Ser Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ser Ala His Leu Thr Val Val Ile Ile Phe Tyr Gly Thr Ile Leu
 245 250 255
 Phe Met Tyr Met Lys Pro Lys Ser Lys Glu Thr Leu Asn Ser Asp Asp

260	265	270
Leu Asp Ala Thr Asp Lys Ile Ile Ser Met Phe Tyr Gly Val Met Thr		
275	280	285
Pro Met Met Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys		
290	295	300
Glu Ala Val Lys His Leu Pro Asn Arg Arg Phe Phe Ser Lys		
305	310	315

<210> 1706

<211> 124

<212> PRT

<213> Unknown (H38g623 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(124)

<223> Xaa = Any Amino Acid

<400> 1706

Phe	Leu	Leu	Xaa	Ala	Asn	Tyr	Ser	Ala	Glu	Glu	Arg	Phe	Leu	Leu	
1															15
Gly	Phe	Ser	Asp	Trp	Pro	Ser	Leu	Gln	Pro	Val	Leu	Phe	Ala	Leu	Val
															20
															25
															30
Leu	Leu	Cys	Tyr	Leu	Leu	Thr	Leu	Thr	Gly	Asn	Ser	Ala	Leu	Val	Leu
															35
															40
															45
Leu	Ala	Val	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Cys
															50
															55
His	Leu	Ala	Leu	Val	Asp	Ala	Gly	Phe	Thr	Thr	Ser	Val	Val	Pro	Pro
															65
															70
															75
Leu	Leu	Ala	Asn	Leu	Arg	Gly	Pro	Ala	Leu	Tyr	Val	Pro	Arg	Ser	His
															85
															90
Cys	Thr	Ala	Gln	Leu	Cys	Ala	Ser	Leu	Ala	Leu	Gly	Ser	Ala	Glu	Cys
															100
															105
Val	His	Leu	Ala	Val	Met	Ala	Leu	Gly	Arg	Ala	Val				
															115
															120

<210> 1707

<211> 315

<212> PRT

<213> Unknown (H38g624 protein)

<220>

<223> Synthetic construct

<400> 1707

Met	Arg	Gln	Asn	Asn	Asn	Ile	Thr	Glu	Phe	Val	Leu	Leu	Gly	Phe	Ser
1															15
Gln	Asp	Pro	Gly	Val	Gln	Lys	Ala	Leu	Phe	Val	Met	Phe	Leu	Leu	Thr
															20
															25
															30
Tyr	Leu	Val	Thr	Val	Val	Gly	Asn	Leu	Leu	Ile	Val	Val	Asp	Ile	Ile
															35
															40
															45
Ala	Ser	Pro	Ser	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Cys	Leu
															50
															55
Ser	Phe	Ile	Asp	Ala	Ala	Tyr	Ser	Thr	Thr	Ile	Ser	Pro	Lys	Leu	Ile
															65
															70
															75
Val	Gly	Leu	Phe	Cys	Asp	Lys	Lys	Thr	Ile	Ser	Phe	Gln	Gly	Cys	Met
															85
															90
Gly	Gln	Leu	Phe	Ile	Asp	His	Phe	Phe	Gly	Gly	Ala	Glu	Val	Phe	Leu
															100
															105
															110

Leu Val Val Met Ala Cys Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 His Tyr Leu Thr Ile Met Asn Arg Gln Val Cys Phe Leu Leu Leu Val
 130 135 140
 Val Ala Met Ile Gly Gly Phe Val His Ser Ala Phe Gln Ile Val Val
 145 150 155 160
 Tyr Ser Leu Pro Phe Cys Gly Pro Asn Val Ile Val His Phe Ser Cys
 165 170 175
 Asp Met His Pro Leu Leu Glu Leu Ala Cys Thr Asp Thr Tyr Phe Ile
 180 185 190
 Gly Leu Thr Val Val Val Asn Ser Gly Ala Ile Cys Met Val Ile Phe
 195 200 205
 Asn Leu Leu Leu Ile Ser Tyr Gly Val Ile Leu Ser Ser Leu Lys Thr
 210 215 220
 Tyr Ser Gln Glu Lys Arg Gly Lys Ala Leu Ser Thr Cys Ser Ser Gly
 225 230 235 240
 Ser Thr Val Val Val Leu Phe Phe Val Pro Cys Ile Phe Ile Tyr Val
 245 250 255
 Arg Pro Val Ser Asn Phe Pro Thr Asp Lys Phe Met Thr Val Phe Tyr
 260 265 270
 Thr Ile Ile Thr His Met Leu Ser Pro Leu Ile Tyr Thr Leu Arg Asn
 275 280 285
 Ser Glu Met Arg Asn Ala Ile Glu Lys Leu Leu Gly Lys Lys Leu Thr
 290 295 300
 Ile Phe Ile Ile Gly Gly Val Ser Val Leu Met
 305 310 315

<210> 1708

<211> 117

<212> PRT

<213> Unknown (H38g625 protein)

<220>

<223> Synthetic construct

<400> 1708

Arg Cys Ala Pro Arg Leu Leu Asp His Phe Ile Cys Glu Leu Pro Ala
 1 5 10 15
 Leu Leu Lys Leu Ala Cys Gly Gly Asp Gly Asp Thr Thr Glu Asn Gln
 20 25 30
 Met Phe Ala Ala Arg Val Val Ile Leu Leu Leu Pro Phe Ala Val Ile
 35 40 45
 Leu Ala Ser Tyr Gly Ala Val Ala Arg Ala Val Cys Cys Met Arg Phe
 50 55 60
 Ser Gly Gly Arg Gln Arg Ala Val Gly Thr Cys Gly Ser His Leu Thr
 65 70 75 80
 Ala Val Cys Leu Phe Tyr Gly Ser Ala Ile Tyr Thr Tyr Leu Gln Pro
 85 90 95
 Ala Gln Arg Tyr Asn Gln Ala Arg Gly Lys Phe Val Ser Leu Phe Tyr
 100 105 110
 Thr Val Val Thr Pro
 115

<210> 1709

<211> 313

<212> PRT

<213> Unknown (H38g626 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(313)

<223> Xaa = Any Amino Acid

<400> 1709

Gly Leu Ser Asn Asn Val Thr Glu Phe Val Leu Leu Gly Asn Thr Gln
 1 5 10 15
 Cys Pro Asp Val Gln Asn Ala Leu Phe Val Met Val Leu Leu Thr Tyr
 20 25 30
 Val Val Ser Met Ala Gly Asn Leu Leu Ala Val Val Ala Ile Ile Ser
 35 40 45
 Ser Pro Ser Phe Gly Ser Pro Met Tyr Phe Phe Leu Thr Cys Leu Leu
 50 55 60
 Phe Ile Tyr Ala Ala Tyr Ser Asn Thr Ile Ser Pro Lys Leu Ile Ile
 65 70 75 80
 Gly Leu Leu His Asp Lys Lys Thr Ile Phe Phe Thr Ala Cys Met Gly
 85 90 95
 Gln Leu Phe Ile Asp His Leu Phe Gly Gly Ala Glu Val Phe Leu Leu
 100 105 110
 Val Gly Met Ser Tyr Asp Phe Tyr Val Ala Ile Ser Lys Pro Leu His
 115 120 125
 Tyr Leu Thr Ile Met Asn Gln Gln Val Cys Ile Leu Leu Leu Val Val
 130 135 140
 Ala Val Thr Gly Gly Phe Val Ser Cys Val Phe Gln Ile Val Val Val
 145 150 155 160
 Tyr Thr Leu Ser Phe Cys Gly Pro Asn Val Thr Asp His Phe Val Cys
 165 170 175
 Asp Met Tyr Pro Leu Leu Glu Leu Val Cys Thr Asp Thr Tyr Phe Ile
 180 185 190
 Gly Leu Thr Val Val Ala Asn Gly Leu Ala Ile Cys Met Val Val Phe
 195 200 205
 Thr Leu Leu Ile Ser Tyr Gly Val Ile Leu Asn Asn Phe Lys Thr
 210 215 220
 Tyr Ser Gln Glu Gly Arg Leu Lys Ala Leu Ser Ala Cys Ile Ser Tyr
 225 230 235 240
 Ile Thr Val Thr Val Leu Phe Leu Val Pro Cys Ile Phe Leu Phe Val
 245 250 255
 Arg Pro Val Ser Asn Phe Pro Ile Asp Lys Phe Met Thr Val Phe Tyr
 260 265 270
 Thr Val Ile Ile His Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg Asn
 275 280 285
 Leu Glu Met Arg Ile Ala Val Lys Ser Asn Val Lys Lys Leu Trp His
 290 295 300
 Xaa Lys Leu Asn Tyr Ser Xaa Asn Glu
 305 310

<210> 1710

<211> 323

<212> PRT

<213> Unknown (H38g627 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(323)

<223> Xaa = Any Amino Acid

<400> 1710

Met Arg Leu Ser Ser Asp Val Thr Ala Phe Val Leu Leu Gly Leu Thr
 1 5 10 15

Gln Asp Pro Asp Val Xaa Asn Ala Leu Phe Val Val His Leu Leu Thr
 20 25 30
 Tyr Ile Met Thr Met Val Gly Asn Leu Pro Ile Val Val Thr Ile Ile
 35 40 45
 Ala Thr Pro Thr Leu Gly Ser Pro Val Tyr Phe Phe Ile Val Cys Leu
 50 55 60
 Ser Phe Ile Asp Val Val Tyr Ser Thr Thr Ile Pro Pro Lys Leu Ile
 65 70 75 80
 Val Ser Tyr Leu His Asp Lys Lys Thr Ile Ser Phe Arg Ala Cys Met
 85 90 95
 Gly Gln Pro Phe Ile Asp His Leu Val Gly Gly Ala Glu Ala Phe Ile
 100 105 110
 Leu Leu Val Met Ala Tyr Asn Arg Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 His Tyr Phe Thr Ile Met Asn Xaa Gln Val Cys Ile Leu Leu Leu Val
 130 135 140
 Val Ala Val Thr Ala Gly Phe Val His Ser Val Phe Gln Ile Leu Val
 145 150 155 160
 Ala Tyr Ser Leu Leu Phe Cys Gly Pro Asn Ile Ile Asp His Phe Phe
 165 170 175
 Cys Asp Met Tyr Pro Leu Leu Glu Leu Ala His Thr Asp Thr Tyr Phe
 180 185 190
 Ile Gly Leu Thr Val Val Ala Asn Gly Gly Ile Cys Met Val Leu
 195 200 205
 Phe Ile Leu Leu Ile Ser Cys Gly Val Ile Leu Ile Ser Leu Lys
 210 215 220
 Thr Tyr Ser Gln Glu Gly Arg His Lys Ala Leu Ser Thr Cys Ser Ser
 225 230 235 240
 His Ile Thr Val Val Leu Phe Phe Val Pro Cys Ile Phe Leu Tyr
 245 250 255
 Val Arg Pro Val Ser Asn Phe Pro Ile Asn Lys Phe Ile Thr Val Phe
 260 265 270
 Tyr Thr Val Ile Thr Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg
 275 280 285
 Asn Xaa Glu Met Lys Asn Ala Ile Gly Asn Leu Trp Cys Lys Tyr Xaa
 290 295 300
 Leu Xaa Ile Glu Xaa Glu Gly Thr Phe Ser Cys Arg Tyr Arg Val Met
 305 310 315 320
 Gln Val Lys

<210> 1711

<211> 235

<212> PRT

<213> Unknown (H38g628 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(235)

<223> Xaa = Any Amino Acid

<400> 1711

Pro Met Tyr Leu Phe Leu Gly Asn Leu Ser Phe Ile Asp Leu Cys Tyr
 1 5 10 15
 Ser Phe Val Phe Thr Pro Lys Met Leu Met Ser Phe Ile Ser Glu Arg
 20 25 30
 Asn Ile Ile Ser Phe Pro Gly Cys Ile Thr Gln Leu Phe Phe Cys
 35 40 45
 Phe Phe Val His Ser Glu Cys Tyr Val Leu Thr Ala Met Ala Tyr Asp

50	55	60
Arg Tyr Val Ala Ile Cys Lys Pro Leu Leu Tyr Met Val Thr Thr Ser		
65	70	75
Pro Gln Ile Cys Ser Leu Leu Met Leu Gly Ser Tyr Val Met Gly Phe		80
85	90	95
Ala Gly Ala Met Val His Thr Glu Cys Met Met Lys Leu Ile Phe Cys		
100	105	110
Asp Ser Asn Val Ile Asn His Asn Met Cys Asp Ile Phe Pro Leu Leu		
115	120	125
Gln Leu Ser Cys Ser Ser Thr Xaa Ala Asn Glu Leu Val Met Ser Val		
130	135	140
Ile Val Gly Thr Val Val Ile Val Ser Ser Leu Ile Ile Leu Ile Ser		
145	150	155
Tyr Ala Leu Ile Leu Phe Asn Ile Leu His Met Ser Ser Ala Glu Gly		
165	170	175
Trp Phe Lys Ala Ile Gly Thr Cys Gly Ser His Ile Ile Thr Val Gly		
180	185	190
Leu Phe Tyr Glu Phe Gly Leu Ile Thr His Val Lys Leu Ser Ser Asp		
195	200	205
Trp Tyr Met Gly Gln Gly Lys Phe Leu Ser Val Phe Tyr Thr Asn Val		
210	215	220
Val Pro Met Leu Asn Pro Phe Ile Tyr Cys Leu		
225	230	235

<210> 1712

<211> 308

<212> PRT

<213> Unknown (H38g629 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(308)

<223> Xaa = Any Amino Acid

<400> 1712

Met Arg Gln Asn Asn Asn Ile Thr Glu Phe Val Leu Leu Gly Phe Ser		
1	5	10
Gln Tyr Pro Asp Val Gln Asn Ala Leu Phe Val Met Phe Leu Leu Ile		15
20	25	30
Tyr Ile Val Thr Met Val Gly Asn Leu Leu Ile Val Val Ser Ile Ile		
35	40	45
Ala Ser Pro Phe Leu Gly Ser Pro Val Tyr Phe Phe Leu Ala Cys Leu		
50	55	60
Ser Phe Ile Asp Ala Val Tyr Ser Thr Thr Ile Ser Pro Val Leu Ile		
65	70	75
Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Pro Ala Cys Met		80
85	90	95
Gly Gln Leu Phe Ile Glu His Leu Phe Gly Asp Thr Asp Val Phe Leu		
100	105	110
Leu Val Val Met Ala Tyr Asp Arg Tyr Val Ala Thr Cys Lys Pro Leu		
115	120	125
Arg Tyr Leu Thr Ile Met Asn Xaa Gln Val Cys Ile Leu Leu Leu Val		
130	135	140
Val Ala Val Thr Gly Gly Phe Leu His Ser Val Phe Gln Ile Leu Val		
145	150	155
Val Tyr Ser Leu Pro Phe Cys Gly Pro Asn Val Ile Tyr His Phe Phe		160
165	170	175
Cys Asn Ile Tyr Pro Leu Leu Asp Leu Glu Cys Thr Asp Thr Tyr Phe		
180	185	190

Val Gly Leu Ala Val Val Phe Asn Gly Gly Ala Ile Cys Met Val Ile
 195 200 205
 Phe Thr Leu Leu Leu Ile Ser Tyr Gly Val Ile Leu Asn Ser Leu Lys
 210 215 220
 Thr Tyr Ser Pro Glu Gly Arg His Lys Ala Pro Phe Ile Cys Ser Ser
 225 230 235 240
 His Phe Ile Met Val Ile Leu Phe Phe Val Pro Cys Ile Phe Leu Tyr
 245 250 255
 Val Arg Pro Val Ser Asn Phe Pro Ile Asp Lys Phe Leu Thr Val Phe
 260 265 270
 Tyr Ser Val Ile Thr Pro Lys Leu Asn Pro Phe Ile Tyr Met Leu Arg
 275 280 285
 Asn Ser Glu Met Arg Asn Ala Ile Glu Asn Leu Leu Gly Tyr Gln Ser
 290 295 300
 Gly Lys Thr Gly
 305

<210> 1713

<211> 230

<212> PRT

<213> Unknown (H38g630 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(230)

<223> Xaa = Any Amino Acid

<400> 1713

Pro Met Tyr Leu Phe Leu Ala Asn Leu Ser Leu Pro Asp Ile Gly Phe
 1 5 10 15
 Thr Ser Ser Met Val Pro Lys Met Ile Val Asp Ile Xaa Ser His Ser
 20 25 30
 Arg Leu Ile Ser Xaa Ala Gly Cys Leu Thr Pro Met Ser Leu Phe Ala
 35 40 45
 Ile Phe Gly Gly Met Glu Glu Asn Met Leu Leu Ser Val Ile Ala Tyr
 50 55 60
 Asp Pro Phe Val Ala Ile Cys His Pro Leu Tyr His Ser Ala Ile Met
 65 70 75 80
 Asn Pro Cys Phe Cys Gly Phe Leu Val Leu Leu Ser Phe Phe Ser Gln
 85 90 95
 Ser Leu Leu Asp Ala Gln Val His Asn Leu Ile Ala Leu Gln Met Thr
 100 105 110
 Cys Phe Lys Asp Val Glu Ile Pro Asn Phe Phe Trp Glu Pro Ser Gln
 115 120 125
 Leu Pro His Leu Ala Cys Cys Asp Thr Phe Thr Asn Asn Ile Ile Met
 130 135 140
 Tyr Ser Pro Ala Ala Ile Phe Gly Phe Leu Pro Ile Ser Gly Thr Leu
 145 150 155 160
 Phe Ser Tyr Tyr Lys Ile Val Ser Ser Ile Arg Arg Val Ser Ser Ser
 165 170 175
 Gly Gly Lys Tyr Lys Ala Cys Ser Thr Cys Gly Ser His Leu Ser Val
 180 185 190
 Val Cys Xaa Phe Tyr Gly Thr Gly Phe Trp Gly Tyr Leu Ser Ser Asp
 195 200 205
 Val Ser Ser Ser Pro Gly Lys Ala Ala Val Ala Ser Val Met Tyr Thr
 210 215 220
 Val Val Thr Pro Met Leu
 225 230

<210> 1714
 <211> 227
 <212> PRT
 <213> Unknown (H38g632 protein)

<220>
 <223> Synthetic construct

<400> 1714

Ser Phe Leu Glu Ile Gly Phe Asn Leu Val Ile Val Pro Lys Met Leu
 1 5 10 15
 Gly Thr Leu Leu Ala Gln Asp Thr Thr Ile Ser Phe Leu Gly Cys Ala
 20 25 30
 Thr Gln Met Tyr Phe Phe Phe Gly Val Ala Glu Cys Phe Leu
 35 40 45
 Leu Ala Thr Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Ser Pro Leu
 50 55 60
 His Tyr Pro Val Ile Met Asn Gln Arg Thr Arg Ala Lys Leu Ala Ala
 65 70 75 80
 Ala Ser Trp Phe Pro Gly Phe Pro Val Ala Thr Val Gln Thr Thr Trp
 85 90 95
 Leu Phe Ser Phe Pro Phe Cys Gly Thr Asn Lys Val Asn His Phe Phe
 100 105 110
 Cys Asp Ser Pro Pro Val Leu Lys Leu Val Cys Ala Asp Thr Ala Leu
 115 120 125
 Phe Glu Ile Tyr Ala Ile Val Gly Thr Ile Leu Val Val Met Ile Pro
 130 135 140
 Cys Leu Ile Leu Cys Ser Tyr Thr Arg Ile Ala Ala Ala Ile Leu
 145 150 155 160
 Lys Ile Pro Ser Ala Lys Gly Lys His Lys Ala Phe Ser Thr Cys Ser
 165 170 175
 Ser His Leu Leu Val Val Ser Leu Phe Tyr Ile Ser Leu Ser Leu Thr
 180 185 190
 Tyr Phe Arg Pro Lys Ser Asn Asn Ser Pro Glu Gly Lys Lys Leu Leu
 195 200 205
 Ser Leu Ser Tyr Thr Val Met Thr Pro Met Leu Asn Pro Phe His Leu
 210 215 220
 Leu Ser Trp
 225

<210> 1715
 <211> 192
 <212> PRT
 <213> Unknown (H38g633 protein)

<220>
 <223> Synthetic construct

<400> 1715

Met Val Thr Glu Phe Leu Leu Leu Gly Phe Leu Leu Gly Pro Arg Ile
 1 5 10 15
 Gln Met Leu Leu Phe Gly Leu Phe Ser Leu Phe Tyr Val Phe Thr Leu
 20 25 30
 Leu Gly Asn Gly Thr Ile Leu Gly Leu Ile Ser Leu Asp Ser Arg Leu
 35 40 45
 His Thr Pro Met Tyr Phe Phe Leu Ser His Leu Ala Val Val Asp Ile
 50 55 60
 Ala Tyr Ala Cys Asn Thr Val Pro Arg Met Leu Val Asn Leu Leu His
 65 70 75 80
 Pro Ala Lys Pro Ile Ser Phe Ala Gly Arg Met Met Gln Thr Phe Leu
 85 90 95

Phe Ser Thr Phe Ala Val Thr Glu Cys Leu Leu Leu Val Val Met Ser
 100 105 110
 Tyr Asp Leu Tyr Val Ala Ile Cys His Pro Leu Arg Tyr Phe Ile Ile
 115 120 125
 Met Thr Trp Lys Val Cys Ile Thr Leu Ala Ile Thr Ser Trp Thr Cys
 130 135 140
 Gly Ser Leu Leu Ala Met Val His Val Ser Leu Ile Leu Arg Leu Pro
 145 150 155 160
 Phe Cys Gly Pro Arg Glu Ile Asn His Phe Leu Cys Glu Ile Leu Ala
 165 170 175
 Val Leu Arg Leu Gly Cys Ala Asp Thr Trp Leu Asn Gln Val Val Ile
 180 185 190

<210> 1716

<211> 308

<212> PRT

<213> Unknown (H38g634 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(308)

<223> Xaa = Any Amino Acid

<400> 1716

Tyr Ala Asp Pro Gln Asn Leu Thr Asp Val Ser Ile Phe Leu Leu
 1 5 10 15
 Glu Leu Ser Glu Asp Pro Glu Leu Gln Pro Val Leu Ala Gly Leu Phe
 20 25 30
 Leu Ser Met Cys Leu Val Thr Val Leu Gly Asn Leu Leu Ile Ile Leu
 35 40 45
 Ala Ile Ser Pro Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu
 50 55 60
 Ser Asn Leu Ser Leu Pro Asp Ile Gly Phe Thr Ser Thr Thr Val Pro
 65 70 75 80
 Lys Met Ile Val Asp Ile Gln Ser His Ser Arg Val Ile Ser Tyr Ala
 85 90 95
 Gly Cys Leu Thr Gln Met Ser Leu Phe Ala Ile Phe Gly Gly Met Glu
 100 105 110
 Glu Asn Met Leu Leu Ser Val Met Ala Tyr Asp Trp Phe Val Ala Ile
 115 120 125
 Cys His Pro Leu Tyr His Leu Thr Ile Met Asn Pro Cys Phe Cys Ala
 130 135 140
 Phe Leu Val Leu Leu Ser Phe Phe Ser Val Phe Xaa His Ser Gln
 145 150 155 160
 Leu His Asn Leu Ile Ala Leu Gln Val Thr Cys Phe Lys Asp Val Glu
 165 170 175
 Ile Pro Asn Phe Phe Cys Asp Pro Ser Gln Leu Pro His Leu Ala Cys
 180 185 190
 Cys Asp Thr Phe Thr Asn Asn Ile Ile Met Tyr Phe Pro Ala Ala Ile
 195 200 205
 Phe Gly Phe Leu Pro Ile Ser Gly Thr Leu Phe Ser Tyr Tyr Lys Ile
 210 215 220
 Val Ser Ser Ile Leu Arg Val Ser Ser Ser Gly Gly Lys Tyr Lys Ala
 225 230 235 240
 Phe Ser Thr Cys Gly Ser His Leu Ser Val Val Cys Xaa Phe Tyr Gly
 245 250 255
 Arg Gly Val Gly Gly Tyr Leu Ser Ser Asp Val Ser Ser Ser Pro Arg
 260 265 270
 Lys Gly Ala Val Ala Ser Val Met Tyr Thr Val Val Thr Ser Met Leu

275	280	285
Asn Pro Phe Ile Tyr Ser Leu Arg Asn Arg Asp Ile Lys Ser Val Leu		
290	295	300
Arg Arg Pro Gln		
305		

<210> 1717
<211> 238
<212> PRT
<213> Unknown (H38g635 protein)

<220>
<223> Synthetic construct

<400> 1717

Met Tyr Leu Phe Leu Arg Asn Leu Ser Leu Pro Asp Ile Gly Phe Thr			
1	5	10	15
Ser Thr Ile Val Pro Lys Met Ile Val Asp Ile Gln Ser His Ser Arg			
20	25	30	
Val Ile Ser Tyr Ala Gly Arg Leu Thr Gln Met Ser Leu Phe Ala Ile			
35	40	45	
Phe Gly Gly Met Glu Asp Asn Met Leu Leu Ser Val Met Ala Tyr Asp			
50	55	60	
Arg Phe Val Ala Ile Cys His Pro Leu Tyr His Ser Ala Ile Met Asn			
65	70	75	80
Pro Cys Phe Cys Gly Phe Leu Leu Leu Ser Phe Phe Phe Phe Leu			
85	90	95	
Ser Leu Leu Asp Thr Gln Leu His Asn Leu Ile Ala Leu Gln Met Thr			
100	105	110	
Cys Phe Lys Asp Val Glu Ile Pro Asn Phe Phe Cys Asp Pro Ser Gln			
115	120	125	
Leu Pro His Leu Ala Cys Cys Asp Thr Phe Thr Asn Asn Ile Ile Val			
130	135	140	
Tyr Phe Pro Ala Val Ile Phe Val Phe Leu Pro Ile Ser Gly Thr Leu			
145	150	155	160
Phe Ser Leu Lys Leu Phe Val Ser Ser Ile Leu Arg Val Ser Ser Ser			
165	170	175	
Gly Gly Lys Tyr Lys Thr Phe Ser Thr Cys Gly Ser His Leu Ser Val			
180	185	190	
Ile Cys Leu Phe Tyr Gly Thr Gly Val Gly Gly Tyr Leu Ser Ser Asp			
195	200	205	
Val Ser Ser Leu Arg Lys Ala Ala Val Ala Ser Val Met Tyr Lys			
210	215	220	
Met Val Thr Pro Met Leu Asn Pro Phe Ile Tyr Thr Leu Arg			
225	230	235	

<210> 1718
<211> 321
<212> PRT
<213> Unknown (H38g636 protein)

<220>
<223> Synthetic construct

<221> VARIANT
<222> (1)...(321)
<223> Xaa = Any Amino Acid

<400> 1718

Phe Lys Arg Ser Ile Thr Phe Thr Pro Thr Thr Phe Thr Leu Val Gly			
1	5	10	15

Ile Pro Gly Leu Glu Ala Glu His Tyr Trp Ile Ser Ile Pro Phe Cys
 20 25 30
 Leu Ile Tyr Thr Ile Ile Phe Pro Gly Asn Gly Ile Ile Leu His Ile
 35 40 45
 Ile Arg Ile Asp Ser Ser Leu His Gln Pro Met Tyr Tyr Phe Leu Ala
 50 55 60
 Met Pro Ala Phe Val Glu Leu Gly Val Ser Ala Ser Thr Met Pro Thr
 65 70 75 80
 Val Leu Ser Ile Phe Leu Phe Gly Ile Asn Asp Val Ser Phe Gly Gly
 85 90 95
 Cys Leu Leu Gln Met Phe Ser Met His Ser Phe Thr Leu Met Glu Ser
 100 105 110
 Gly Val Leu Leu Ala Met Ser Val Asp Arg Phe Val Ala Ile Tyr Ser
 115 120 125
 Pro Leu Arg Tyr Thr Thr Ile Leu Thr Ile Ala Cys Ile Ser Gly Met
 130 135 140
 Gly Ala Ala Ile Ala Leu Arg Ser Val Met Leu Met Leu Pro Leu Leu
 145 150 155 160
 Phe Leu Leu Arg Arg Leu Pro Phe Cys Gly His Asn Thr Leu Thr His
 165 170 175
 Ser Tyr Cys Leu His Ser Asp Leu Ile Lys Leu Pro Cys Gly Asp Thr
 180 185 190
 Arg Pro Asn Ser Ile Leu Ala Leu Phe Val Ile Thr Phe Thr Phe Gly
 195 200 205
 Leu Asp Leu Leu Phe Ile Val Val Ser Tyr Val Leu Ile Leu His Thr
 210 215 220
 Val Leu Glu Ile Ala Ser Arg Ser Arg Ala Trp Gln Ala Leu Asn Thr
 225 230 235 240
 Cys Val Ser His Ile Cys Ala Val Leu Val Tyr Tyr Val Pro Met Ile
 245 250 255
 Ser Leu Ser Xaa Val His Arg Phe Gly Arg His Leu Pro Pro Leu Phe
 260 265 270
 Gln Thr Val Thr Ala Asn Ala Tyr Leu Phe Phe Pro Pro Val Val Asn
 275 280 285
 Pro Ile Val Tyr Ser Ile Lys Ile Lys Glu Ile Arg Asn Ser Val Val
 290 295 300
 Leu Thr Leu Ser Arg Lys Arg Gly Glu Phe Xaa Trp Arg Pro Lys Ile
 305 310 315 320
 Pro

<210> 1719

<211> 291

<212> PRT

<213> Unknown (H38g637 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(291)

<223> Xaa = Any Amino Acid

<400> 1719

Thr Ser Glu Asp Pro Glu Arg Gln Leu Val Leu Ala Gly Leu Phe Leu
 1 5 10 15
 Ser Met Cys Leu Val Met Val Leu Gly Asn Leu Leu Ile Ile Leu Ala
 20 25 30
 Met Ser Pro Asp Ser His Leu His Thr Ser Met Tyr Phe Phe Leu Ser
 35 40 45
 Asn Leu Ser Leu Pro Asp Ile Gly Phe Thr Ser Thr Thr Val Pro Gln

50	55	60
Met Thr Val Asp Ile Gln Ser Arg Ser Arg Val Ile Ser Tyr Ala Gly		
65	70	75
Cys Leu Thr Gln Lys Ser Leu Phe Ala Ile Phe Gly Gly Thr Glu Glu		
85	90	95
Asn Met Leu Leu Ser Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys		
100	105	110
His Pro Leu Tyr His Ser Ala Ile Met Asn Leu Cys Phe Cys Gly Phe		
115	120	125
Leu Val Leu Leu Ser Phe Phe Leu Ser Leu Leu Asp Ser Gln Leu		
130	135	140
Tyr Asn Leu Ile Ala Leu Leu Met Thr Cys Phe Lys Glu Val Asp Ile		
145	150	155
Pro Asn Phe Phe Cys Asp Leu Ser Gln Leu Pro His Leu Ala Cys Cys		
165	170	175
Asp Thr Phe Ile Asn Asn Ile Ile Met Tyr Phe Pro Thr Ala Ile Phe		
180	185	190
Gly Phe Leu Pro Ile Ser Gly Thr Leu Phe Ser Tyr Tyr Lys Ile Val		
195	200	205
Ser Ser Ile Leu Arg Val Ser Ser Ser Gly Gly Lys Tyr Lys Ala Phe		
210	215	220
Ser Thr Cys Gly Ser His Leu Ser Val Val Cys Xaa Phe Tyr Gly Arg		
225	230	235
Gly Val Gly Gly Tyr Leu Ser Ser Asp Val Ser Ser Ser Pro Arg Lys		
245	250	255
Gly Ala Val Ala Ala Val Met Tyr Thr Val Val Thr Ser Met Leu Asn		
260	265	270
Pro Phe Ile Tyr Ser Leu Gly Asn Arg Asp Ile Lys Ser Val Leu Arg		
275	280	285
Arg Pro Gln		
290		

<210> 1720

<211> 216

<212> PRT

<213> Unknown (H38g638 protein)

<220>

<223> Synthetic construct

<400> 1720

Leu Val Asp Phe Cys Tyr Ser Ser Ala Val Thr Pro Thr Val Ile Ala		
1	5	10
Gly Leu Val Ile Gly Asp Lys Val Ile Ser Tyr Asn Ala Cys Ala Ala		
20	25	30
Gln Met Phe Phe Ala Ala Phe Ala Thr Val Glu Asn Phe Leu Leu		
35	40	45
Ala Ser Met Ala Tyr Asp Arg Tyr Asp Ala Val Cys Lys Pro Leu His		
50	55	60
Tyr Thr Thr Thr Met Thr Thr Ser Val Cys Ala Cys Leu Ala Ile Ile		
65	70	75
Cys Tyr Val Cys Gly Phe Leu Asn Ala Ser Ile His Ile Gly Glu Thr		
85	90	95
Leu Ser Leu Phe Leu Tyr Gly Pro Asn Glu Val His Cys Phe Phe Cys		
100	105	110
Asp Val Pro Pro Val Met Ala Leu Ser Cys Cys Asp Arg His Val Asn		
115	120	125
Glu Leu Val Leu Ile Tyr Val Ala Ser Phe Asn Ile Phe Ser Ala Ile		
130	135	140
Leu Val Ile Leu Ile Ser Tyr Leu Phe Ile Phe Ile Thr Ile Leu Lys		
145	150	155
		160

Met His Ser Ala Ser Gly Tyr Gln Lys Ala Leu Ser Thr Cys Ala Ser
 165 170 175
 His Leu Thr Ala Val Ile Ile Phe Tyr Gly Thr Ile Ile Phe Met Tyr
 180 185 190
 Leu Gln Pro Ser Ser Gly His Ser Met Asp Thr Asp Lys Leu Ala Ser
 195 200 205
 Val Phe Tyr Thr Met Ile Ile Pro
 210 215

<210> 1721

<211> 216

<212> PRT

<213> Unknown (H38g639 protein)

<220>

<223> Synthetic construct

<400> 1721

Phe Val Asp Ile Cys Phe Ser Cys Thr Thr Val Pro Lys Met Leu Ala
 1 5 10 15
 Asn His Ile Leu Glu Thr Gln Thr Ile Ser Phe Cys Gly Cys Leu Thr
 20 25 30
 Gln Met Tyr Phe Val Phe Met Phe Val Asp Thr Asp Asn Phe Leu Leu
 35 40 45
 Ala Val Met Ala Tyr Asp His Phe Val Ala Val Cys His Pro Leu His
 50 55 60
 Tyr Thr Ala Lys Met Thr His Gln Leu Cys Ala Leu Leu Val Ala Gly
 65 70 75 80
 Leu Trp Val Val Ala Asn Leu Asn Val Leu Leu His Thr Leu Leu Met
 85 90 95
 Ala Pro Leu Ser Phe Cys Ala Asp Asn Ala Ile Thr His Phe Phe Cys
 100 105 110
 Asp Val Thr Pro Leu Leu Lys Leu Ser Cys Ser Asp Thr His Leu Asn
 115 120 125
 Glu Val Ile Ile Leu Ser Glu Gly Ala Leu Val Met Ile Thr Pro Phe
 130 135 140
 Leu Cys Asn Leu Ala Ser Tyr Met His Ile Thr Cys Thr Gly Leu Lys
 145 150 155 160
 Gly Pro Ser Thr Lys Gly Arg Trp Lys Ala Phe Ser Thr Cys Gly Ser
 165 170 175
 His Leu Ala Val Gly Leu Leu Phe Tyr Ser Thr Ile Thr Ala Val Tyr
 180 185 190
 Phe Asn Pro Leu Ser Ser His Ser Ala Ala Lys Asp Thr Met Ala Thr
 195 200 205
 Val Leu Tyr Thr Val Val Thr Pro
 210 215

<210> 1722

<211> 157

<212> PRT

<213> Unknown (H38g640 protein)

<220>

<223> Synthetic construct

<400> 1722

Ile Cys Ser Pro Leu Leu Tyr Asn Val Ile Met Ser Tyr His His Cys
 1 5 10 15
 Phe Trp Leu Thr Val Gly Val Tyr Ile Leu Gly Ile Leu Gly Ser Thr
 20 25 30
 Ile His Thr Gly Phe Met Leu Arg Leu Phe Leu Cys Lys Thr Asn Val

35	40	45	
Ile Asn His Tyr Phe Cys Asp	Leu Phe Pro Leu Leu Gly	Leu Ser Cys	
50	55	60	
Ser Ser Thr Tyr Ile Asn Glu	Leu Leu Val Leu Val Leu Ser Ala Phe		
65	70	75	80
Asn Ile Leu Thr Pro Ala Leu Thr	Ile Leu Ala Ser Tyr Ile Phe Ile		
85	90	95	
Ile Ala Ser Ile Leu Arg Ile Arg	Ser Thr Glu Gly Arg Ser Lys Ala		
100	105	110	
Phe Ser Thr Cys Ser Ser His	Ile Leu Ala Val Ala Gly Phe Phe Gly		
115	120	125	
Ser Ala Ala Phe Met Tyr Leu Gln	Pro Ser Ser Val Ser Ser Met Asp		
130	135	140	
Gln Gly Lys Val Ser Ser Val Phe Tyr Thr Ile Val Val			
145	150	155	

<210> 1723

<211> 325

<212> PRT

<213> Unknown (H38g641 protein)

<220>

<223> Synthetic construct

<400> 1723

Met Lys Thr Leu Cys Ser Phe Leu Gln Ile Ser Arg Asn Met His Gln			
1	5	10	15
Glu Asn Gln Thr Thr Ile Thr Glu Phe Ile Leu Leu Gly	Leu Ser Asn		
20	25	30	
Gln Ala Glu His Gln Asn Leu Leu Phe Val Leu Phe Leu Ser Met Tyr			
35	40	45	
Val Val Thr Val Val Gly Asn Gly Leu Ile Ile Val Ala Ile Ser Leu			
50	55	60	
Asp Ile Tyr Leu His Thr Pro Met Tyr Leu Phe Leu Ala Tyr Leu Ser			
65	70	75	80
Phe Ala Asp Ile Ser Ser Ile Ser Asn Ser Val Pro Lys Met Leu Val			
85	90	95	
Asn Ile Gln Thr Asn Ser Gln Ser Ile Ser Tyr Glu Ser Cys Ile Thr			
100	105	110	
Gln Met Tyr Phe Ser Ile Val Phe Val Val Thr Asp Asn Leu Leu Leu			
115	120	125	
Gly Thr Met Ala Phe Asp His Phe Val Ala Ile Cys His Pro Leu Asn			
130	135	140	
Tyr Thr Thr Phe Met Arg Ala Arg Phe Gly Thr Leu Leu Thr Val Ile			
145	150	155	160
Ser Trp Phe Leu Ser Asn Ile Ile Ala Leu Thr His Thr Leu Leu Leu			
165	170	175	
Ile Gln Leu Leu Phe Cys Asp His Asn Thr Leu Pro His Phe Phe Cys			
180	185	190	
Asp Leu Ala Pro Leu Leu Lys Leu Ser Cys Ser Asp Thr Met Ile Asn			
195	200	205	
Glu Leu Val Leu Phe Ile Val Gly Leu Ser Val Ile Ile Phe Pro Phe			
210	215	220	
Val Leu Ile Phe Phe Ser Tyr Val Cys Ile Ile Arg Ala Val Leu Gly			
225	230	235	240
Val Ser Ser Thr Gln Gly Lys Trp Lys Ala Phe Ser Thr Cys Gly Ser			
245	250	255	
His Leu Thr Ile Ala Leu Leu Phe Tyr Gly Thr Thr Val Gly Val Tyr			
260	265	270	
Phe Phe Pro Ser Ser Thr His Pro Glu Asp Thr Asp Lys Ile Gly Ala			
275	280	285	

Val Leu Phe Thr Val Val Thr Pro Met Met Asn Pro Phe Ile Tyr Ser
 290 295 300
 Leu Arg Asn Lys Asp Met Lys Gly Ala Leu Arg Lys Leu Ile Asn Arg
 305 310 315 320
 Lys Ile Ser Ser Leu
 325

<210> 1724
 <211> 315
 <212> PRT
 <213> Unknown (H38g642 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(315)
 <223> Xaa = Any Amino Acid

<400> 1724
 Met Arg Pro Asn Asn Ser Ile Thr Glu Phe Val Leu Leu Gly Phe Ser
 1 5 10 15
 Gln Asp Pro Gly Met Gln Lys Glu Leu Phe Val Met Phe Leu Phe Thr
 20 25 30
 Tyr Val Val Thr Val Leu Gly Asn Gln Leu Ile Val Val Thr Ile Ile
 35 40 45
 Ala Ser Pro Ser Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Cys Leu
 50 55 60
 Ser Phe Ile Asp Ala Ala Tyr Phe Thr Val Ile Ser Pro Lys Leu Ile
 65 70 75 80
 Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Gln Thr Phe Met
 85 90 95
 Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe Leu
 100 105 110
 Leu Val Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Thr Leu
 115 120 125
 His Tyr Leu Thr Ile Met Thr Arg Gln Val Cys Ile Leu Ala Leu Leu
 130 135 140
 Val Ala Ala Thr Gly Gly Phe Val His Ser Val Phe Gln Ile Val Val
 145 150 155 160
 Val Tyr Ser Leu Pro Phe Cys Gly Ala Asn Val Ile Asp His Phe Ser
 165 170 175
 Cys Asp Met Tyr Pro Leu Leu Glu Leu Ala Xaa Thr Asp Thr Tyr Phe
 180 185 190
 Ile Gly Leu Thr Val Val Phe Ser Gly Gly Ala Leu Cys Met Val Ile
 195 200 205
 Phe Thr Leu Leu Ile Ile Ser Tyr Arg Val Ile Leu Asn Ser Leu Lys
 210 215 220
 Thr Tyr Thr Gln Glu Gly Arg His Lys Ala Leu Ser Thr Cys Ser Ser
 225 230 235 240
 His Ile Thr Val Ile Val Leu Phe Phe Ile Pro Cys Ile Ser Ile Tyr
 245 250 255
 Val Arg Pro Val Ser Asn Phe Ser Ile Asp Thr Phe Met Thr Val Phe
 260 265 270
 Tyr Thr Val Ile Thr Pro Lys Leu Asn Pro Leu Ile Tyr Thr Phe Arg
 275 280 285
 Asn Ser Glu Met Arg Asn Val Ile Glu Lys Leu Leu Val Lys Lys Val
 290 295 300
 Thr Ile Phe Arg Ile Thr Gly Ser Ile Leu Met
 305 310 315

<210> 1725
 <211> 314
 <212> PRT
 <213> Unknown (H38g643 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(314)
 <223> Xaa = Any Amino Acid

<400> 1725

Met	Arg	Gln	Asn	Lys	Asn	Asn	Thr	Glu	Phe	Val	Leu	Leu	Gly	Phe	Ser
1								10						15	
Gln	Asp	Pro	Asp	Val	Gln	Asn	Ala	Leu	Phe	Val	Met	Phe	Leu	Leu	Thr
								20			25			30	
Xaa	Leu	Val	Thr	Thr	Val	Gly	Asn	Leu	Leu	Ile	Val	Val	Thr	Ile	Ile
								35			40			45	
Ala	Ser	Pro	Ser	Leu	Gly	Ser	Pro	Val	Tyr	Phe	Xaa	Leu	Ala	Cys	Leu
								50			55			60	
Ser	Cys	Ile	Asp	Ala	Ala	Tyr	Ser	Thr	Thr	Ile	Ser	Pro	Lys	Leu	Ile
								65			70			75	
Val	Glu	Leu	Leu	Ile	Asp	Lys	Lys	Thr	Ile	Ser	Phe	Arg	Ala	Cys	Met
								85			90			95	
Gly	Gln	Leu	Phe	Ile	Glu	His	Leu	Phe	Gly	Gly	Thr	Glu	Ile	Phe	Ile
								100			105			110	
Leu	Met	Met	Met	Ala	Cys	Asp	Arg	Tyr	Val	Asp	Ile	Cys	Lys	Pro	Leu
								115			120			125	
His	Tyr	Leu	Thr	Ile	Met	Asn	Xaa	Gln	Val	Cys	Ile	Leu	Leu	Leu	Val
								130			135			140	
Leu	Ala	Val	Thr	Gly	Gly	Phe	Val	His	Ser	Met	Phe	Gln	Thr	Val	Val
								145			150			155	
Val	Tyr	Asn	Leu	Pro	Phe	Ser	Gly	Pro	Asn	Val	Ile	Asp	Ile	Asp	His
								165			170			175	
Phe	Val	Cys	Asp	Met	Tyr	Pro	Leu	Leu	Glu	Leu	Ala	Phe	Thr	Asp	Thr
								180			185			190	
Tyr	Phe	Ile	Gly	Leu	Thr	Val	Val	Val	Asn	Gly	Gly	Ala	Met	Cys	Met
								195			200			205	
Val	Ile	Phe	Thr	Ile	Leu	Leu	Ile	Ser	Tyr	Gly	Ile	Ile	Leu	Asn	Ser
								210			215			220	
Leu	Lys	Thr	Tyr	Ser	Gln	Glu	Gly	Arg	Cys	Lys	Ala	Leu	Ser	Thr	Cys
								225			230			235	
Ser	Pro	His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe
								245			250			255	
Ile	Tyr	Val	Arg	Pro	Val	Ser	Thr	Phe	Pro	Ile	Asp	Lys	Phe	Met	Thr
								260			265			270	
Val	Phe	Tyr	Thr	Val	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr
								275			280			285	
Leu	Arg	Asn	Ser	Glu	Met	Arg	Asn	Ser	Ile	Glu	Asn	Leu	Leu	Cys	Lys
								290			295			300	
Lys	Ala	Ile	Cys	Ser	Xaa	Asn	Lys	Ser	Val						
								305			310				

<210> 1726
 <211> 315
 <212> PRT
 <213> Unknown (H38g644 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(315)
 <223> Xaa = Any Amino Acid

<400> 1726
 Glu Xaa Met Arg Gln Asn Asn Ser Ser Thr Glu Phe Val Leu Leu Gly
 1 5 10 15
 Phe Ser Gln Asp Pro Asp Val Gln Asn Ala Leu Phe Val Met Phe Leu
 20 25 30
 Leu Thr Tyr Ile Val Thr Met Val Gly Asn Leu Leu Ile Val Val Thr
 35 40 45
 Ile Ile Ala Ser Pro Ser Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala
 50 55 60
 His Leu Ser Phe Ile Asp Ala Val Tyr Ser Thr Thr Ile Ser Pro Val
 65 70 75 80
 Leu Ile Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Xaa Ala
 85 90 95
 Cys Met Gly Gln Leu Phe Ile Asp His Leu Phe Gly Gly Ser Glu Val
 100 105 110
 Phe Leu Leu Val Val Met Ala Cys Asp Arg Cys Val Ala Ile Cys Lys
 115 120 125
 Pro Leu His Tyr Leu Thr Ile Met Asn Arg Gln Val Cys Ile Leu Leu
 130 135 140
 Leu Val Leu Ala Val Thr Gly Gly Phe Val His Pro Val Phe Gln Val
 145 150 155 160
 Val Val Val Tyr Ser Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His
 165 170 175
 Phe Phe Cys Asp Ile Tyr Pro Leu Leu Glu Leu Ala Cys Thr Asp Thr
 180 185 190
 Tyr Phe Ile Gly Leu Thr Val Val Phe Asn Gly Ala Met Arg Met
 195 200 205
 Val Ile Leu Thr Leu Leu Val Phe Tyr Gly Val Ile Leu Asn Ser
 210 215 220
 Leu Lys Thr Tyr Ser Gln Glu Gly Arg His Lys Ala Leu Ser Thr Cys
 225 230 235 240
 Ser Ser His Val Thr Val Val Ile Leu Phe Phe Ala Ser Cys Ile Phe
 245 250 255
 Ile Tyr Val Arg Pro Val Ser Asn Phe Pro Val Asp Lys Phe Met Thr
 260 265 270
 Val Phe Tyr Thr Val Ile Thr Pro Met Leu Asn Pro Phe Ile Cys Met
 275 280 285
 Leu Arg Asn Ser Glu Met Arg Asn Ala Ile Glu Lys Leu Leu Cys Lys
 290 295 300
 Met Asn Cys Ser Xaa Asn Lys Ser Val Pro Ser
 305 310 315

<210> 1727
 <211> 313
 <212> PRT
 <213> Unknown (H38g645 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(313)
 <223> Xaa = Any Amino Acid

<400> 1727
 Met Gly Leu Ser Asn Asn Val Thr Glu Leu Phe Leu Gly Leu Thr

1	5	10	15												
Gln	Asp	Leu	Asp	Val	Gln	Asn	Ala	Leu	Phe	Val	Met	Phe	Leu	Leu	Thr
20								25						30	
Tyr	Ile	Val	Thr	Met	Val	Gly	Asn	Leu	Leu	Ile	Val	Val	Thr	Ile	Ile
35								40					45		
Ala	Thr	Pro	Ser	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Cys	Leu
50								55				60			
Ser	Phe	Ile	Asp	Ala	Val	Tyr	Ser	Thr	Thr	Ile	Tyr	Pro	Lys	Leu	Val
65					70				75				80		
Val	Asp	Xaa	Leu	His	Asn	Xaa	Lys	Thr	Ile	Leu	Phe	Pro	Thr	Cys	Met
85								90					95		
Gly	Gln	Pro	Leu	Thr	Asp	His	Leu	Phe	Gly	Gly	Val	Glu	Val	Phe	Phe
100								105				110			
Leu	Leu	Val	Met	Ala	Cys	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
115								120				125			
His	Tyr	Phe	Thr	Ile	Met	Asn	Arg	Gln	Val	Phe	Ile	Leu	Leu	Leu	Val
130								135				140			
Val	Ala	Val	Thr	Gly	Gly	Phe	Val	Arg	Ser	Val	Phe	Gln	Ile	Val	Val
145					150				155				160		
Val	Tyr	Ser	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Phe	Phe
165								170				175			
Cys	Asn	Met	Tyr	Pro	Leu	Met	Glu	Met	Ala	Xaa	Thr	Asp	Thr	Tyr	Phe
180								185				190			
Ile	Gly	Leu	Thr	Val	Val	Phe	Lys	Val	Glu	Ala	Ile	Cys	Val	Val	Ile
195								200				205			
Phe	Thr	Leu	Leu	Ile	Ser	Ser	Gly	Val	Ile	Leu	Ile	Ser	Leu	Lys	
210								215				220			
Thr	Tyr	Ser	Gln	Glu	Gly	Arg	His	Lys	Ala	Leu	Phe	Thr	Cys	Ser	Ser
225					230					235				240	
Arg	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Met	Tyr
								245			250			255	
Val	Arg	Pro	Val	Phe	Asn	Phe	Pro	Ile	Asp	Lys	Phe	Ile	Ile	Val	Phe
								260			265			270	
Tyr	Thr	Val	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Met	Leu	Arg
								275			280			285	
Asn	Ser	Xaa	Thr	Arg	Asn	Ala	Ile	Glu	Asn	Pro	Xaa	Cys	Lys	Lys	Leu
								290			295			300	
Thr	Val	Asp	Arg	Ile	Arg	Val	Tyr	Ile							
								305			310				

<210> 1728

<211> 315

<212> PRT

<213> Unknown (H38g646 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(315)

<223> Xaa = Any Amino Acid

<400> 1728

Met	Arg	Pro	Asn	Asn	Ser	Ile	Thr	Glu	Phe	Val	Leu	Leu	Gly	Phe	Ser
1						5				10				15	
Gln	Asp	Pro	Asp	Met	Gln	Asn	Thr	Leu	Phe	Val	Met	Phe	Leu	Leu	Thr
								20			25		30		
Tyr	Ile	Val	Thr	Val	Val	Gly	Asn	Leu	Leu	Val	Ala	Val	Thr	Ile	Ile
								35			40		45		
Val	Ser	Pro	Ser	Leu	Ser	Ser	Pro	Met	Xaa	Phe	Phe	Leu	Ala	Cys	Leu
								50			55		60		

Ser Leu Ile Asp Ala Val Leu Ser Thr Thr Ile Ser Pro Ile Leu Ile
 65 70 75 80
 Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Pro Ala Cys Met
 85 90 95
 Gly Gln Leu Phe Thr Asp His Leu Phe Gly Gly Thr Glu Ile Phe Leu
 100 105 110
 Leu Val Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 His Tyr Leu Thr Ile Met Asn Arg Gln Val Ser Ile Leu Leu Val
 130 135 140
 Val Ala Met Thr Gly Gly Phe Leu His Ser Val Phe Gln Ile Ala Val
 145 150 155 160
 Leu Tyr Ser Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Phe Phe
 165 170 175
 Cys Asp Met Tyr Pro Leu Leu Glu Leu Ala Cys Thr Asp Thr Tyr Ser
 180 185 190
 Ile Gly Leu Thr Val Val Phe Ser Gly Gly Ala Met Cys Met Val Ile
 195 200 205
 Phe Ala Leu Leu Leu Ile Ser Tyr Gly Val Ser Leu Asn Ser Leu Lys
 210 215 220
 Thr Tyr Ser Gln Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Ser Ser
 225 230 235 240
 His Ile Thr Val Val Leu Phe Phe Val Pro Cys Ile Phe Met Tyr
 245 250 255
 Val Arg Pro Val Ser Asn Phe Pro Ile Asp Lys Phe Val Thr Val Phe
 260 265 270
 Tyr Thr Val Ile Thr Pro Met Leu Asn Pro Phe Leu Tyr Thr Leu Arg
 275 280 285
 Asn Ser Glu Met Ile Asn Ala Ile Lys His Leu Leu Cys Lys Lys Leu
 290 295 300
 Thr Ile Val Arg Ile Arg Val Ser Leu Leu Met
 305 310 315

<210> 1729

<211> 322

<212> PRT

<213> Unknown (H38g647 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(322)

<223> Xaa = Any Amino Acid

<400> 1729

Met Gly Ser Ser Asn Asn Val Thr Glu Phe Val Leu Leu Ala Leu Thr
 1 5 10 15
 Gln Ala Pro Asp Val Gln Lys Val Leu Phe Val Met Phe Leu Phe Thr
 20 25 30
 Tyr Ile Val Thr Met Val Gly Asn Leu Leu Thr Val Val Thr Ile Phe
 35 40 45
 Ala Ser Pro Ser Leu Gly Ser Pro Val Xaa Leu Phe Leu Ala Cys Leu
 50 55 60
 Ser Leu Met Asp Ala Val Tyr Ser Thr Ser Phe Ser Pro Lys Leu Met
 65 70 75 80
 Ile Asp Leu Leu Cys Asp Lys Lys Thr Val Ser Phe Pro Ala Cys Met
 85 90 95
 Gly Gln Leu Phe Ala Asp His Leu Phe Gly Gly Val Glu Val Phe Leu
 100 105 110
 Phe Val Gly Met Ala Tyr Asp His Tyr Val Ala Ile Ser Lys Pro Leu

115	120	125
His Tyr Leu Ile Ile Val Asn Arg Leu Val Cys Ile Leu Leu Leu Val		
130	135	140
Val Ala Val Thr Gly Gly Phe Xaa His Ser Met Phe Leu Phe Phe Xaa		
145	150	155
Ile Tyr Leu Phe Phe Tyr Val Asn Ser Met Phe Gln Ile Val Val Val		
165	170	175
Tyr Ser Leu Pro Phe Cys Gly Ser Asn Val Ile Asp His Ile Val Cys		
180	185	190
Asp Met Tyr Pro Leu Leu Glu Leu Ala Cys Ala Asp Thr Tyr Phe Ile		
195	200	205
Gly Leu Thr Val Ile Ala Asn Gly Gly Ala Ile Cys Met Val Ile Phe		
210	215	220
Cys Leu Leu Leu Thr Ser Tyr Gly Val Ile Leu Asn Phe Leu Lys Thr		
225	230	235
Tyr Ser Gln Glu Gly Arg His Arg Thr Leu Ser Thr Cys Ser Ser His		
245	250	255
Ile Thr Val Val Leu Phe Phe Val Pro Cys Ile Phe Met Tyr Val		
260	265	270
Arg Pro Val Ser Asn Phe Pro Ile Asp Lys Phe Ile Thr Glu Phe Tyr		
275	280	285
Thr Val Ile Thr Pro Lys Leu Asn Pro Leu Ile Gln Pro Leu Arg Asn		
290	295	300
Xaa Glu Met Arg Ile Thr Met Lys Lys Leu Trp Cys Xaa Thr Xaa Thr		
305	310	315
Ile Val		

<210> 1730

<211> 310

<212> PRT

<213> Unknown (H38g648 protein)

<220>

<223> Synthetic construct

<400> 1730

Met Lys Asn Lys Asn Asn Val Thr Glu Phe Ile Leu Leu Gly Leu Thr			
1	5	10	15
Gln Asn Pro Glu Gly Gln Lys Val Leu Phe Val Thr Phe Leu Leu Ile			
20	25	30	
Tyr Met Val Thr Ile Met Gly Asn Leu Leu Ile Ile Val Thr Ile Met			
35	40	45	
Ala Ser Gln Ser Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Ser Leu			
50	55	60	
Ser Phe Ile Asp Thr Val Tyr Ser Thr Ala Phe Ala Pro Lys Met Ile			
65	70	75	80
Val Asp Leu Leu Ser Glu Lys Lys Thr Ile Ser Phe Gln Gly Cys Met			
85	90	95	
Ala Gln Leu Phe Met Asp His Leu Phe Ala Gly Ala Glu Val Ile Leu			
100	105	110	
Leu Val Val Met Ala Tyr Asp Arg Tyr Met Ala Ile Cys Lys Pro Leu			
115	120	125	
His Glu Leu Ile Thr Met Asn Arg Arg Val Cys Val Leu Met Leu Leu			
130	135	140	
Ala Ala Trp Ile Gly Gly Phe Leu His Ser Leu Val Gln Phe Leu Phe			
145	150	155	160
Ile Tyr Gln Leu Pro Phe Cys Gly Pro Asn Val Ile Asp Asn Phe Leu			
165	170	175	
Cys Asp Leu Tyr Pro Leu Leu Lys Leu Ala Cys Thr Asn Thr Tyr Val			
180	185	190	

Thr Gly Leu Ser Met Ile Ala Asn Gly Gly Ala Ile Cys Ala Val Thr
 195 200 205
 Phe Phe Thr Ile Leu Leu Ser Tyr Gly Val Ile Leu His Ser Leu Lys
 210 215 220
 Thr Gln Ser Leu Glu Gly Lys Arg Lys Ala Phe Tyr Thr Cys Ala Ser
 225 230 235 240
 His Val Thr Val Val Ile Leu Phe Phe Val Pro Cys Ile Phe Leu Tyr
 245 250 255
 Ala Arg Pro Asn Ser Thr Phe Pro Ile Asp Lys Ser Met Thr Val Val
 260 265 270
 Leu Thr Phe Ile Thr Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Lys
 275 280 285
 Asn Ala Glu Met Lys Ser Ala Met Arg Lys Leu Trp Ser Lys Lys Val
 290 295 300
 Ser Leu Ala Gly Lys Trp
 305 310

<210> 1731

<211> 275

<212> PRT

<213> Unknown (H38g649 protein)

<220>

<223> Synthetic construct

<400> 1731

Met Val Gly Asn Leu Leu Ile Trp Val Thr Thr Ile Gly Ser Pro Ser
 1 5 10 15
 Leu Gly Ser Leu Met Tyr Phe Phe Leu Ala Tyr Leu Ser Leu Met Asp
 20 25 30
 Ala Ile Tyr Ser Thr Ala Met Ser Pro Lys Leu Met Ile Asp Leu Leu
 35 40 45
 Cys Asp Lys Ile Ala Ile Ser Leu Ser Ala Cys Met Gly Gln Leu Phe
 50 55 60
 Ile Glu His Leu Leu Gly Gly Ala Glu Val Phe Leu Leu Val Val Met
 65 70 75 80
 Ala Tyr Asp Arg Tyr Val Ala Ile Ser Lys Pro Leu His Tyr Leu Asn
 85 90 95
 Ile Met Asn Arg Leu Val Cys Ile Leu Leu Val Val Ala Met Ile
 100 105 110
 Gly Phe Val His Ser Val Val Gln Ile Val Phe Leu Tyr Ser Leu
 115 120 125
 Pro Ile Cys Gly Pro Asn Val Ile Asp His Ser Val Cys Asp Met Tyr
 130 135 140
 Pro Leu Leu Glu Leu Leu Cys Leu Asp Thr Tyr Phe Ile Gly Leu Thr
 145 150 155 160
 Val Val Ala Asn Gly Gly Ile Ile Cys Met Val Ile Phe Thr Phe Leu
 165 170 175
 Leu Ile Ser Cys Gly Val Ile Leu Asn Phe Leu Lys Thr Tyr Ser Gln
 180 185 190
 Glu Glu Arg His Lys Ala Leu Pro Thr Cys Ile Ser His Ile Ile Val
 195 200 205
 Val Ala Leu Val Phe Val Pro Cys Ile Phe Met Tyr Val Arg Pro Val
 210 215 220
 Ser Asn Phe Pro Phe Asp Lys Leu Met Thr Val Phe Tyr Ser Ile Ile
 225 230 235 240
 Thr Leu Met Leu Asn Pro Leu Ile Tyr Ser Leu Arg Gln Ser Glu Met
 245 250 255
 Lys Asn Ala Met Lys Asn Leu Trp Cys Glu Lys Leu Ser Ile Val Arg
 260 265 270
 Lys Arg Val

275

<210> 1732
 <211> 218
 <212> PRT
 <213> Unknown (H38g650 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(218)
 <223> Xaa = Any Amino Acid

<400> 1732

Leu	Pro	Asp	Ile	Gly	Phe	Thr	Ser	Thr	Thr	Val	Pro	Lys	Met	Ile	Val
1					5				10					15	
Asp	Ile	Gln	Ser	His	Ser	Arg	Leu	Ile	Ser	Xaa	Ala	Gly	Cys	Leu	Thr
								20					25		30
Pro	Met	Ser	Leu	Phe	Ala	Ile	Phe	Gly	Gly	Met	Glu	Glu	Asn	Met	Leu
								35					40		45
Leu	Ser	Val	Ile	Ala	Tyr	Asp	Pro	Phe	Val	Ala	Ile	Cys	His	Pro	Leu
								50					55		60
Tyr	His	Ser	Ala	Ile	Met	Asn	Pro	Cys	Phe	Cys	Gly	Phe	Leu	Val	Leu
								65					70		80
Leu	Ser	Phe	Phe	Ser	Gln	Ser	Leu	Leu	Asp	Ala	Gln	Val	His	Asn	Leu
								85					90		95
Ile	Ala	Leu	Gln	Met	Thr	Cys	Phe	Lys	Asp	Val	Glu	Ile	Pro	Asn	Phe
								100					105		110
Phe	Trp	Glu	Pro	Ser	Gln	Leu	Pro	His	Leu	Ala	Cys	Cys	Asp	Thr	Phe
								115					120		125
Thr	Asn	Asn	Ile	Ile	Met	Tyr	Ser	Pro	Ala	Ala	Ile	Phe	Gly	Phe	Leu
								130					135		140
Pro	Ile	Ser	Gly	Thr	Leu	Phe	Ser	Tyr	Tyr	Lys	Ile	Val	Ser	Ser	Ile
								145					150		155
Leu	Arg	Val	Ser	Ser	Gly	Gly	Lys	Tyr	Lys	Ala	Leu	Ser	Thr	Cys	
								165					170		175
Gly	Ser	Arg	Leu	Ser	Val	Val	Cys	Xaa	Val	Tyr	Gly	Thr	Gly	Val	Gly
								180					185		190
Glu	Tyr	Leu	Gly	Ser	Asp	Val	Ser	Ser	Ser	Pro	Arg	Lys	Gly	Ala	Val
								195					200		205
Ala	Ser	Val	Met	Tyr	Thr	Val	Val	Thr	Pro						
								210					215		

<210> 1733
 <211> 216
 <212> PRT
 <213> Unknown (H38g651 protein)

<220>
 <223> Synthetic construct

<400> 1733

Ser	Met	Ala	Leu	Met	Leu	Ile	Cys	Thr	Thr	Gly	Pro	Lys	Met	Ala	Phe
1								5					10		15
Asn	Tyr	Leu	Ser	Gly	Ser	Lys	Ser	His	Phe	Tyr	Gly	Cys	Cys	Ala	Thr
								20					25		30
Gln	Ile	Phe	Phe	Tyr	Thr	Ser	Leu	Leu	Gly	Ser	Glu	Cys	Phe	Leu	Leu
								35					40		45
Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Thr	Ala	Ile	Cys	His	Pro	Leu	Arg
								50					55		60

Tyr Thr Asn Leu Met Ser Pro Lys Ile Cys Gly Leu Met Thr Ala Phe
 65 70 75 80
 Ser Trp Ile Leu Gly Ser Thr Asp Gly Ile Ile Asp Val Val Ala Thr
 85 90 95
 Phe Ser Phe Ser Tyr Cys Gly Ser Arg Glu Ile Ala His Phe Phe Cys
 100 105 110
 Asp Phe Pro Ser Leu Leu Ile Leu Ser Cys Ser Asp Thr Ser Ile Phe
 115 120 125
 Glu Lys Ile Leu Phe Ile Cys Cys Ile Val Met Ile Val Phe Pro Val
 130 135 140
 Ala Ile Ile Ala Ser Tyr Ala Arg Val Ile Leu Ala Val Ile His
 145 150 155 160
 Met Gly Ser Gly Glu Gly Arg Arg Lys Ala Phe Thr Thr Cys Ser Ser
 165 170 175
 His Leu Leu Val Val Gly Met Tyr Tyr Gly Ala Ala Leu Phe Met Tyr
 180 185 190
 Ile Arg Pro Thr Ser Asp Arg Ser Pro Thr Gln Asp Lys Met Val Ser
 195 200 205
 Val Phe Tyr Thr Ile Leu Thr Pro
 210 215

<210> 1734

<211> 212

<212> PRT

<213> Unknown (H38g652 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(212)

<223> Xaa = Any Amino Acid

<400> 1734

Phe Val Asp Ile Ala Cys Ser Ser Ala Thr Ala Pro Lys Met Ile Glu
 1 5 10 15
 Asp Phe Val Ser Glu Lys Lys Thr Ile Ser Tyr Trp Gly Cys Ile Thr
 20 25 30
 Gln Met Phe Thr Phe His Phe Phe Gly Cys Ala Glu Ile Phe Val Leu
 35 40 45
 Thr Val Met Ala Phe Asp Arg Tyr Ala Ala Ile Cys Gln Pro Leu Arg
 50 55 60
 Tyr Thr Val Ile Met Ser Ala Asn Ala Tyr Thr Val Leu Ala Ser Leu
 65 70 75 80
 Ser Trp Leu Gly Ala Leu Gly His Ser Phe Val Gln Thr Leu Leu Thr
 85 90 95
 Phe Gln Leu Pro Phe Cys Asn Ala Gln Val Ile Glu His Tyr Phe Cys
 100 105 110
 Asp Val His Pro Val Leu Lys Leu Ala Cys Ala Asp Thr Thr Leu Val
 115 120 125
 Asn Met Leu Val Val Ala Asn Ser Gly Leu Ile Ser Leu Gly Cys Phe
 130 135 140
 Leu Ile Leu Leu Ala Ser Tyr Thr Val Ile Leu Phe Ser Leu Gln Lys
 145 150 155 160
 Gln Ser Ala Glu Ser Xaa His Lys Val Leu Ser Thr Cys Gly Ser His
 165 170 175
 Leu Thr Ile Val Thr Phe Phe Val Pro Cys Ile Phe Ile Tyr Arg
 180 185 190
 Pro Ser Thr Thr Phe Pro Leu Asp Lys Ala Val Ser Val Phe Tyr Thr
 195 200 205
 Thr Ile Thr Pro

210

<210> 1735
 <211> 223
 <212> PRT
 <213> Unknown (H38g653 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(223)
 <223> Xaa = Any Amino Acid

<400> 1735

Leu	Pro	Asp	Ile	Gly	Phe	Thr	Ser	Thr	Val	Pro	Lys	Met	Ile	Val	
1														15	
Asp	Ile	Gln	Ser	His	Ser	Arg	Val	Ile	Ser	Tyr	Ala	Gly	Cys	Leu	Thr
														30	
Gln	Met	Ser	Leu	Phe	Ala	Ile	Phe	Xaa	Gly	Arg	Glu	Glu	Ser	Met	Leu
														45	
Leu	Ser	Val	Met	Ala	Tyr	Asp	Gln	Phe	Val	Ala	Ile	Cys	His	Pro	Pro
														50	
Tyr	Arg	Ser	Ala	Ile	Leu	Asn	Pro	Cys	Phe	Cys	Gly	Phe	Leu	Val	Cys
65														80	
Cys	Pro	Cys	Phe	Phe	Phe	Phe	Phe	Phe	Leu	Ser	Leu	Leu	Asp	Ser	
														95	
Gln	Leu	His	Asn	Leu	Ile	Ala	Leu	Gln	Met	Thr	Cys	Phe	Lys	Asp	Val
														100	
Glu	Ile	Pro	Asn	Phe	Phe	Trp	Glu	Pro	Ser	Gln	Leu	Pro	His	Leu	Ala
														115	
Cys	Cys	Asp	Ile	Phe	Thr	Arg	Asn	Ile	Asn	Leu	Tyr	Phe	Pro	Ala	Ala
														130	
Ile	Phe	Gly	Phe	Leu	Pro	Ile	Ser	Gly	Thr	Leu	Phe	Ser	Tyr	Ser	Lys
145														140	
Ile	Val	Ser	Ser	Ile	Leu	Arg	Val	Ser	Ser	Ser	Gly	Gly	Arg	Tyr	Lys
														165	
Ala	Leu	Ser	Thr	Cys	Gly	Ser	His	Val	Ser	Val	Val	Cys	Xaa	Val	Tyr
														180	
Gly	Thr	Gly	Val	Gly	Gly	Tyr	Leu	Ser	Ser	Asp	Val	Ser	Phe	Ser	Pro
														195	
Arg	Lys	Gly	Ala	Val	Ala	Ser	Val	Met	Tyr	Ala	Val	Val	Thr	Pro	
														210	
														215	
														220	

<210> 1736
 <211> 216
 <212> PRT
 <213> Unknown (H38g654 protein)

<220>
 <223> Synthetic construct

<400> 1736

Leu	Leu	Asp	Leu	Cys	Tyr	Thr	Cys	Thr	Val	Pro	Gln	Met	Leu	Val	
1														15	
Asn	Leu	Cys	Ser	Ile	Arg	Lys	Val	Ile	Ser	Tyr	Arg	Gly	Cys	Val	Ala
														30	
Gln	Leu	Phe	Ile	Phe	Leu	Ala	Leu	Gly	Ala	Thr	Glu	Tyr	Leu	Leu	Leu
														45	
Ala	Val	Met	Ser	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys	Arg	Pro	Leu	His
														50	
														55	
														60	

Tyr Ser Val Ile Met His Gln Arg Leu Cys Leu Gln Leu Ala Ala Ala
 65 70 75 80
 Ser Arg Val Thr Gly Phe Ser Asn Ser Val Trp Leu Ser Thr Leu Thr
 85 90 95
 Leu Gln Leu Pro Leu Cys Asp Pro Tyr Val Ile Asp His Phe Leu Cys
 100 105 110
 Glu Val Pro Ala Leu Leu Lys Leu Ser Cys Val Glu Thr Thr Ala Asn
 115 120 125
 Glu Ala Glu Leu Phe Leu Val Ser Glu Leu Phe His Leu Ile Pro Leu
 130 135 140
 Thr Leu Ile Leu Ile Ser Tyr Ala Phe Ile Val Arg Ala Val Leu Arg
 145 150 155 160
 Ile Gln Ser Ala Glu Gly Arg Gln Lys Ala Phe Gly Thr Cys Gly Ser
 165 170 175
 His Leu Ile Val Val Ser Leu Phe Asn Ser Thr Ala Val Ser Val Tyr
 180 185 190
 Leu Gln Pro Pro Ser Pro Ser Ser Lys Asp Gln Gly Lys Met Val Ser
 195 200 205
 Leu Phe Tyr Gly Ile Ile Ala Pro
 210 215

<210> 1737

<211> 218

<212> PRT

<213> Unknown (H38g655 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(218)

<223> Xaa = Any Amino Acid

<400> 1737

Leu Pro Asp Ile Gly Phe Thr Ser Thr Ile Val Pro Lys Met Ile Val
 1 5 10 15
 Asp Ile Gln Ser His Ser Arg Val Ile Ser Tyr Ala Gly Arg Leu Thr
 20 25 30
 Gln Met Ser Leu Phe Ala Ile Phe Gly Gly Met Glu Asp Ser Met Leu
 35 40 45
 Leu Ser Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys His Pro Leu
 50 55 60
 Tyr His Ser Ala Ile Met Asn Pro Cys Phe Cys Gly Phe Leu Leu
 65 70 75 80
 Leu Ser Phe Phe Leu Ser Leu Leu Asp Ala Gln Leu His Asn Leu
 85 90 95
 Ile Ala Leu Gln Met Thr Cys Phe Lys Asp Val Glu Ile Pro Asn Phe
 100 105 110
 Phe Cys Asp Pro Ser Gln Leu Pro His Leu Ala Cys Cys Asp Thr Phe
 115 120 125
 Thr Asn Asn Ile Ile Met Tyr Phe Pro Ala Ala Ile Phe Gly Phe Leu
 130 135 140
 Pro Ile Ser Gly Thr Leu Phe Ser Tyr Asp Lys Ile Val Ser Ser Ile
 145 150 155 160
 Leu Arg Val Ser Ser Ser Gly Gly Lys Tyr Lys Ala Phe Ser Thr Tyr
 165 170 175
 Gly Ser His Leu Ser Asp Val Ser Xaa Phe Tyr Gly Thr Gly Val Gly
 180 185 190
 Gly Tyr Leu Ser Ser Asp Val Ser Ser Ser Pro Arg Lys Thr Ala Val
 195 200 205
 Ala Ser Val Met Tyr Thr Val Val Thr Pro

210

215

<210> 1738
 <211> 221
 <212> PRT
 <213> Unknown (H38g656 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(221)
 <223> Xaa = Any Amino Acid

<400> 1738

Phe	Pro	Asp	Ile	Gly	Phe	Thr	Ser	Thr	Val	Pro	Lys	Met	Ile	Val	
1					5				10				15		
Asp	Ile	Gln	Ser	His	Ser	Arg	Val	Ile	Ser	Tyr	Ala	Gly	Cys	Pro	Thr
								20	25				30		
Gln	Met	Ser	Leu	Phe	Ala	Ile	Phe	Gly	Asp	Thr	Glu	Glu	Asn	Met	Phe
								35	40			45			
Leu	Ser	Val	Val	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His	Pro	Leu
								50	55		60				
Tyr	Arg	Ser	Ala	Ile	Leu	Asn	Pro	Cys	Phe	Cys	Gly	Phe	Leu	Asp	Ser
								65	70		75		80		
Leu	Ser	Leu	Val	Phe	Phe	Phe	Phe	Ser	Leu	Leu	Asp	Ser	Gln	Leu	
								85	90		95				
His	Asn	Leu	Ile	Ala	Leu	Gln	Met	Thr	Cys	Phe	Lys	Asp	Val	Glu	Ile
								100	105		110				
Pro	Asn	Phe	Phe	Trp	Glu	Pro	Ser	Gln	Leu	Pro	His	Leu	Ala	Cys	Cys
								115	120		125				
Asp	Ile	Phe	Thr	Arg	Asn	Ile	Asn	Leu	Tyr	Phe	Pro	Ala	Ala	Ile	Phe
								130	135		140				
Gly	Phe	Leu	Pro	Ile	Ser	Gly	Thr	Leu	Phe	Ser	Cys	Tyr	Lys	Ile	Val
								145	150		155		160		
Ser	Phe	Ile	Leu	Arg	Val	Ser	Ser	Ser	Gly	Gly	Lys	Tyr	Lys	Ala	Phe
								165	170		175				
Ser	Ala	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Tyr	Xaa	Phe	Tyr	Gly	Thr
								180	185		190				
Gly	Phe	Gly	Gly	Tyr	Leu	Ser	Ser	Asp	Val	Ser	Ser	Ser	Pro	Arg	Lys
								195	200		205				
Thr	Ala	Val	Ala	Ser	Val	Met	Tyr	Ala	Val	Val	Thr	Pro			
								210	215		220				

<210> 1739
 <211> 216
 <212> PRT
 <213> Unknown (H38g657 protein)

<220>
 <223> Synthetic construct

<400> 1739

Val	Leu	Asp	Val	Gly	Cys	Ile	Thr	Val	Thr	Val	Pro	Ala	Met	Leu	Gly
1						5			10			15			
Arg	Leu	Leu	Ser	His	Lys	Ser	Thr	Ile	Ser	Tyr	Asp	Ala	Cys	Leu	Ser
								20	25		30				
Gln	Leu	Phe	Phe	Phe	His	Leu	Leu	Ala	Gly	Met	Asp	Cys	Phe	Leu	Leu
								35	40		45				
Thr	Ala	Met	Ala	Tyr	Asp	Arg	Leu	Leu	Ala	Ile	Cys	Gln	Pro	Leu	Thr
								50	55		60				

Tyr Ser Thr Arg Met Ser Gln Thr Val Gln Arg Met Leu Val Ala Ala
 65 70 75 80
 Ser Trp Ala Cys Ala Phe Thr Asn Ala Leu Thr His Thr Val Ala Met
 85 90 95
 Ser Thr Leu Asn Phe Cys Gly Pro Asn Glu Val Asn His Phe Tyr Cys
 100 105 110
 Asp Leu Pro Gln Leu Phe Gln Leu Ser Cys Ser Ser Thr Gln Leu Asn
 115 120 125
 Glu Leu Leu Leu Phe Val Ala Ala Phe Met Ala Val Ala Pro Leu
 130 135 140
 Val Phe Ile Ser Val Pro Tyr Ala His Val Val Ala Ala Val Leu Gln
 145 150 155 160
 Ile Arg Ser Ala Glu Gly Arg Lys Lys Ala Phe Ser Thr Cys Gly Ser
 165 170 175
 His Leu Thr Val Val Gly Ile Phe Tyr Gly Thr Gly Val Phe Ser Tyr
 180 185 190
 Met Arg Leu Gly Ser Val Glu Ser Ser Asp Lys Asp Lys Gly Val Gly
 195 200 205
 Val Phe Met Thr Val Ile Asn Pro
 210 215

<210> 1740

<211> 212

<212> PRT

<213> Unknown (H38g658 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(212)

<223> Xaa = Any Amino Acid

<400> 1740

Phe Val Asp Ile Ala Cys Ser Ser Ala Thr Ala Pro Lys Met Ile Glu
 1 5 10 15
 Asp Phe Val Ser Glu Lys Lys Thr Ile Ser Tyr Trp Gly Cys Ile Thr
 20 25 30
 Gln Met Phe Thr Phe His Phe Phe Gly Cys Ala Asp Ile Phe Val Leu
 35 40 45
 Thr Val Met Ala Phe Asp Arg Cys Ala Ala Ile Cys Gln Pro Leu Arg
 50 55 60
 Tyr Thr Val Ile Met Ser Ala Asn Ala Tyr Thr Val Leu Ala Ser Leu
 65 70 75 80
 Ser Trp Leu Gly Ala Leu Gly His Ser Phe Val Gln Thr Leu Leu Thr
 85 90 95
 Phe Gln Leu Pro Phe Cys Asn Ala Gln Val Ile Asp His Tyr Phe Cys
 100 105 110
 Asp Val His Pro Val Leu Lys Leu Ala Cys Ala Asp Thr Thr Leu Val
 115 120 125
 Asn Met Leu Val Val Ala Asn Ser Gly Leu Ile Ser Leu Gly Cys Phe
 130 135 140
 Leu Ile Leu Leu Ala Ser Tyr Thr Val Ile Leu Phe Ser Leu Gln Lys
 145 150 155 160
 Gln Ser Ala Glu Ser Xaa His Lys Val Leu Ser Thr Cys Gly Ser His
 165 170 175
 Leu Thr Ile Val Thr Phe Phe Val Pro Cys Ile Phe Ile Tyr Arg
 180 185 190
 Pro Ser Thr Thr Phe Pro Leu Asp Lys Ala Val Ser Val Phe Tyr Thr
 195 200 205
 Thr Ile Thr Pro

210

<210> 1741
 <211> 216
 <212> PRT
 <213> Unknown (H38g659 protein)

<220>
 <223> Synthetic construct

<400> 1741

Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Ile	Pro	Lys	Leu	Leu	Gln
1										10					15
Asn	Met	Gln	Asn	Gln	Asp	Pro	Ser	Ile	Pro	Tyr	Ala	Asp	Cys	Leu	Thr
										25					30
Gln	Met	Tyr	Phe	Phe	Leu	Leu	Phe	Gly	Asp	Leu	Glu	Ser	Phe	Leu	Leu
										40					45
Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe	Pro	Leu	His
										55					60
Tyr	Thr	Ala	Ile	Met	Ser	Pro	Met	Leu	Cys	Leu	Ala	Leu	Val	Ala	Leu
65										70					80
Ser	Trp	Val	Leu	Thr	Thr	Phe	His	Ala	Met	Leu	His	Thr	Leu	Leu	Met
										85					95
Ala	Arg	Leu	Cys	Phe	Cys	Ala	Asp	Asn	Val	Ile	Pro	His	Phe	Phe	Cys
										100					110
Asp	Met	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Phe	Ser	Asp	Thr	Arg	Val	Asn
										115					125
Glu	Trp	Val	Ile	Phe	Ile	Met	Gly	Gly	Leu	Ile	Leu	Val	Ile	Pro	Phe
										130					140
Leu	Leu	Ile	Leu	Gly	Ser	Tyr	Ala	Arg	Val	Val	Ser	Ser	Ile	Leu	Lys
145										150					160
Val	Pro	Ser	Ser	Lys	Gly	Ile	Cys	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser
										165					175
His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Val	Ile	Gly	Leu	Tyr
										180					190
Leu	Cys	Ser	Ser	Ala	Asn	Ser	Ser	Thr	Leu	Lys	Asp	Thr	Val	Met	Ala
										195					205
Met	Met	Tyr	Thr	Val	Val	Thr	Pro								
										210					
										215					

<210> 1742
 <211> 146
 <212> PRT
 <213> Unknown (H38g660 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(146)
 <223> Xaa = Any Amino Acid

<400> 1742

Thr	Leu	Gln	Asn	Ile	Thr	Ser	Thr	Ser	Ile	Ile	Phe	Leu	Leu	Thr	Gly
1										5					15
Val	Pro	Gly	Leu	Glu	Ala	Phe	His	Thr	Trp	Ile	Ser	Ile	Pro	Phe	Cys
										20					30
Phe	Leu	Ser	Val	Thr	Ala	Leu	Leu	Gly	Asn	Ser	Leu	Ile	Leu	Phe	Ala
										35					45
Thr	Ile	Thr	Gln	Pro	Ser	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe	Leu	Ser
										50					60

Met Leu Ser Ala Thr Asp Leu Gly Leu Ser Ile Ser Thr Leu Val Thr
 65 70 75 80
 Met Leu Ser Ile Phe Trp Phe Asn Val Arg Glu Ile Ser Phe Asn Ala
 85 90 95
 Cys Leu Ser His Met Phe Phe Ile Lys Phe Phe Thr Val Met Glu Ser
 100 105 110
 Ser Val Leu Leu Ala Met Ala Phe Asp Arg Leu Val Pro Ser Leu Ser
 115 120 125
 Pro Xaa Tyr Ala Met Ile Xaa Leu Thr Gln Ile Ala Lys Met Ser Ala
 130 135 140
 Val Tyr
 145

<210> 1743

<211> 334

<212> PRT

<213> Unknown (H38g661 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(334)

<223> Xaa = Any Amino Acid

<400> 1743

Ala Gly Val Glu Asn Asp Asn Thr Ser Ser Phe Glu Gly Phe Ile Leu
 1 5 10 15
 Val Gly Phe Ser Asp Arg Pro His Leu Glu Leu Ile Val Phe Val Val
 20 25 30
 Val Leu Ile Phe Tyr Leu Leu Thr Leu Leu Gly Asn Met Thr Ile Val
 35 40 45
 Leu Leu Ser Ala Leu Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe
 50 55 60
 Leu Ala Asn Leu Ser Phe Leu Asp Met Cys Phe Thr Thr Gly Ser Ile
 65 70 75 80
 Pro Gln Met Leu Tyr Asn Leu Trp Gly Pro Asp Lys Thr Ile Ser Tyr
 85 90 95
 Val Gly Cys Ala Ile Gln Leu Tyr Phe Val Leu Ala Leu Gly Gly Val
 100 105 110
 Glu Cys Val Leu Leu Ala Val Met Ala Tyr Asp Arg Tyr Ala Ala Val
 115 120 125
 Cys Lys Pro Leu His Tyr Thr Ile Ile Met His Pro Arg Leu Cys Gly
 130 135 140
 Gln Leu Ala Ser Val Ala Trp Leu Ser Gly Phe Gly Asn Ser Leu Ile
 145 150 155 160
 Met Ala Pro Gln Thr Leu Met Leu Pro Arg Cys Gly His Arg Arg Val
 165 170 175
 Asp His Phe Leu Cys Glu Met Pro Ala Leu Ile Gly Met Ala Cys Val
 180 185 190
 Asp Thr Met Met Leu Glu Ala Leu Ala Phe Ala Leu Ala Ile Phe Ile
 195 200 205
 Ile Leu Ala Pro Leu Ile Leu Ile Ser Tyr Gly Tyr Val Gly
 210 215 220
 Gly Thr Val Leu Arg Ile Lys Ser Ala Ala Gly Arg Lys Lys Ala Phe
 225 230 235 240
 Asn Thr Cys Ser Ser His Leu Ile Val Val Ser Leu Phe Tyr Gly Thr
 245 250 255
 Ile Ile Tyr Met Tyr Leu Gln Pro Ala Asn Thr Tyr Ser Gln Asp Gln
 260 265 270
 Gly Lys Phe Leu Thr Leu Phe Tyr Thr Ile Val Thr Pro Ser Val Asn

275	280	285
Pro Leu Ile Tyr Thr Leu Arg Asn Lys Asp Val Lys Glu Ala Met Lys		
290	295	300
Lys Val Leu Gly Lys Gly Ser Ala Glu Ile Xaa Xaa Gly Val Ile Lys		
305	310	315
Leu Trp Asp Cys Ile Leu Thr His Leu Leu Tyr Met Leu Leu		
325	330	

<210> 1744

<211> 275

<212> PRT

<213> Unknown (H38g662 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(275)

<223> Xaa = Any Amino Acid

<400> 1744

Leu Tyr Leu Ile Lys His Asp His Ser Leu His Glu Pro Met Tyr Tyr			
1	5	10	15
Phe Leu Thr Met Leu Ala Gly Thr Asp Leu Met Val Thr Leu Thr Thr			
20	25	30	
Met Pro Thr Val Met Gly Ile Leu Trp Val Asn His Arg Glu Ile Ser			
35	40	45	
Ser Val Gly Cys Phe Leu Gln Ala Tyr Phe Ile His Ser Leu Ser Val			
50	55	60	
Val Glu Ser Gly Ser Leu Leu Ala Met Ala Tyr Asp Arg Leu Ile Ala			
65	70	75	80
Ile Arg Asn Pro Leu Arg Tyr Ala Ser Ile Ser Thr Asn Thr Arg Val			
85	90	95	
Ile Ala Leu Gly Val Gly Leu Phe Leu Arg Gly Leu Val Ser Ile Leu			
100	105	110	
Pro Val Ile Leu Arg Leu Phe Pro Phe Pro Tyr Gly Lys Ser His Val			
115	120	125	
Ile Thr Arg Ala Phe Cys Leu His Gln Glu Ile Met Arg Leu Ala Cys			
130	135	140	
Ala Asp Ile Thr Ser Asn Lys Leu Tyr Pro Val Ile Leu Ile Ser Leu			
145	150	155	160
Thr Ile Ser Leu Asn Ser Leu Ile Thr Pro Ser Ser Tyr Ile Leu Ile			
165	170	175	
Leu Asn Thr Val Ile Gly Ile Ala Ser Gly Glu Glu Lys Thr Lys Ala			
180	185	190	
Leu Asn Thr Cys Ile Ser His Ile Ser Cys Val Leu Ile Ser Tyr Val			
195	200	205	
Thr Val Met Gly Leu Thr Phe Ile Tyr Lys Phe Gly Lys Asn Val Pro			
210	215	220	
Lys Val Val His Ile Ile Ile Ser Tyr Ile Tyr Phe Leu Phe Pro Pro			
225	230	235	240
Leu Met Asn Pro Val Ile Tyr Ser Ile Lys Thr Lys Gln Ile Gln Tyr			
245	250	255	
Gly Ile Ile Arg Leu Leu Ser Lys His Arg Phe Ser Arg Xaa Thr Arg			
260	265	270	
Ile Trp Lys			
275			

<210> 1745

<211> 219

<212> PRT

<213> Unknown (H38g663 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(219)

<223> Xaa = Any Amino Acid

<400> 1745

Leu	Ala	Asp	Ile	Gly	Phe	Thr	Ser	Asn	Thr	Val	Pro	Lys	Met	Ile	Val
1															
														15	
Asp	Ile	Gln	Ser	His	Ser	Arg	Val	Ile	Ser	Tyr	Ala	Gly	Cys	Leu	Thr
														30	
Gln	Met	Ser	Leu	Phe	Ala	Val	Phe	Gly	Gly	Met	Glu	Glu	Asn	Met	Leu
														45	
Leu	Ser	Val	Arg	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His	Pro	Leu
														60	
Tyr	Cys	Ser	Ala	Ile	Phe	Asn	Pro	Cys	Phe	Cys	Gly	Phe	Leu	Asp	Leu
														80	
Leu	Ser	Phe	Phe	Phe	Leu	Ser	Leu	Ser	Asp	Ser	Gln	Leu	His		
														95	
Asn	Leu	Ile	Ala	Leu	Gln	Met	Thr	Cys	Phe	Lys	Asp	Val	Glu	Ile	Pro
														110	
Asn	Phe	Phe	Trp	Glu	Pro	Ser	Gln	Leu	Ser	His	Leu	Ala	Cys	Cys	Asp
														125	
Thr	Phe	Thr	Arg	Asn	Ile	Met	Tyr	Phe	Pro	Ala	Ala	Ile	Phe	Gly	Phe
														140	
Leu	Pro	Ile	Ser	Gly	Thr	Leu	Phe	Ser	Tyr	Asp	Lys	Ile	Val	Phe	Ser
														160	
Ile	Leu	Arg	Val	Ser	Ser	Ser	Gly	Gly	Lys	His	Lys	Ala	Phe	Ser	Thr
														175	
Arg	Gly	Ser	His	Leu	Ser	Val	Val	Cys	Xaa	Phe	Tyr	Gly	Thr	Gly	Ile
														190	
Gly	Gly	Tyr	Leu	Ser	Ser	Asp	Val	Ser	Ser	Ser	Pro	Arg	Lys	Ala	Ala
														205	
Val	Ala	Ser	Val	Met	Tyr	Thr	Val	Ala	Ile	Pro					
														215	

<210> 1746

<211> 218

<212> PRT

<213> Unknown (H38g664 protein)

<220>

<223> Synthetic construct

<400> 1746

Leu	Pro	Asp	Ile	Gly	Phe	Pro	Ser	Pro	Thr	Val	Pro	Lys	Met	Val	Val
1															
														15	
Asp	Ile	Gln	Ser	His	Ser	Arg	Val	Ile	Ser	Tyr	Ala	Gly	Cys	Leu	Thr
														30	
Gln	Met	Ser	Leu	Phe	Ala	Ile	Phe	Gly	Gly	Met	Glu	Glu	Thr	Leu	Leu
														45	
Leu	Asn	Val	Met	Ala	Tyr	Val	Arg	Phe	Val	Ala	Ile	Cys	His	Pro	Leu
														60	
Tyr	His	Ser	Ala	Ile	Met	Asn	Pro	Cys	Phe	Cys	Gly	Phe	Leu	Leu	Leu
														80	
Leu	Ser	Phe	Phe	Leu	Gly	Leu	Leu	Asp	Ala	Gln	Leu	His	Asn	Met	
														95	
Ile	Ala	Leu	Gln	Met	Thr	Cys	Ile	Lys	Asp	Val	Glu	Ile	Pro	Asn	Phe

100	105	110
Phe Cys Asp Pro Ser Gln Leu Pro His Leu Ala Cys Cys Asp Thr Phe		
115	120	125
Thr Asn Asn Ile Val Met Tyr Phe Leu Ala Ala Ile Phe Gly Phe Leu		
130	135	140
Pro Ile Ser Arg Ile Ile Phe Ser Tyr Tyr Lys Ile Val Ser Ser Met		
145	150	155
Leu Ser Val Ser Ser Gly Gly Lys Tyr Lys Ala Phe Ser Ile Cys		
165	170	175
Gly Ser Pro Leu Ser Val Val Cys Leu Phe Tyr Gly Lys Val Val Gly		
180	185	190
Gly Tyr Leu Ser Ser Asp Val Ser Ser Ser Pro Arg Lys Gly Ala Val		
195	200	205
Ala Ser Met Met Tyr Thr Val Ile Thr Pro		
210	215	

<210> 1747

<211> 216

<212> PRT

<213> Unknown (H38g665 protein)

<220>

<223> Synthetic construct

<400> 1747

Leu Val Asp Phe Cys Tyr Ser Ser Ala Val Thr Pro Thr Val Ile Ala			
1	5	10	15
Gly Leu Val Ile Gly Asp Lys Val Ile Ser Tyr Asn Ala Cys Ala Ala			
20	25	30	
Gln Met Phe Phe Phe Ala Ala Phe Ala Thr Val Glu Asn Phe Leu Leu			
35	40	45	
Ala Ser Met Ala Tyr Asp Arg His Asp Ala Val Cys Lys Pro Leu His			
50	55	60	
Tyr Thr Thr Thr Met Thr Thr Ser Val Cys Ala Cys Leu Ala Ile Ile			
65	70	75	80
Cys Tyr Val Cys Gly Phe Leu Asn Ala Ser Ile His Ile Gly Glu Thr			
85	90	95	
Leu Ser Leu Phe Leu Tyr Gly Pro Asn Glu Val His Cys Phe Phe Cys			
100	105	110	
Asp Val Pro Pro Val Met Ala Leu Ser Cys Cys Asp Arg His Val Asn			
115	120	125	
Gly Leu Val Leu Ile Tyr Val Ala Ser Phe Asn Ile Phe Ser Ala Ile			
130	135	140	
Leu Val Ile Leu Ile Ser Tyr Leu Phe Ile Phe Ile Thr Ile Leu Arg			
145	150	155	160
Thr His Ser Ala Ser Gly Tyr Gln Lys Ala Leu Ser Thr Cys Ala Ser			
165	170	175	
His Leu Thr Ala Val Ile Ile Phe Tyr Gly Thr Ile Ile Ser Met Tyr			
180	185	190	
Leu Gln Pro Ser Ser Gly His Ser Met Asp Thr Asp Lys Leu Ala Ser			
195	200	205	
Val Ser Tyr Thr Met Ile Ile Pro			
210	215		

<210> 1748

<211> 216

<212> PRT

<213> Unknown (H38g666 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(216)

<223> Xaa = Any Amino Acid

<400> 1748

Leu	Pro	Asp	Ile	Gly	Phe	Thr	Ser	Thr	Met	Val	Pro	Lys	Met	Ile	Val
1				5				10					15		
Asp	Ile	Gln	Ser	His	Ser	Arg	Val	Ile	Ser	Tyr	Ala	Gly	Cys	Leu	Thr
				20				25					30		
Gln	Met	Ser	Leu	Phe	Ala	Ile	Phe	Gly	Gly	Met	Glu	Glu	Asn	Met	Leu
	35						40				45				
Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His	Pro	Leu
	50					55				60					
Tyr	His	Ser	Ala	Ile	Met	Asn	Pro	Cys	Phe	Cys	Gly	Phe	Leu	Val	Leu
	65					70			75				80		
Leu	Ser	Phe	Phe	Ser	Phe	Ser	Gln	Leu	His	Asn	Leu	Ile	Ala	Leu	
		85						90				95			
Lys	Met	Thr	Cys	Phe	Lys	Asp	Val	Glu	Ile	Pro	Asn	Phe	Phe	Cys	Asp
		100					105				110				
Pro	Ser	Gln	Leu	Pro	His	Leu	Ala	Cys	Cys	Asp	Thr	Phe	Thr	Asn	Lys
		115					120				125				
Ile	Ile	Met	Tyr	Phe	Pro	Ala	Ala	Ile	Phe	Gly	Phe	Leu	Pro	Ile	Ser
		130					135				140				
Gly	Thr	Leu	Phe	Ser	Tyr	Ser	Lys	Ile	Val	Ser	Ser	Ile	Leu	Arg	Val
	145						150			155				160	
Ser	Ser	Ser	Gly	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His
			165					170				175			
Leu	Ser	Val	Val	Cys	Xaa	Val	Tyr	Gly	Thr	Gly	Val	Gly	Gly	Tyr	Leu
		180					185				190				
Ser	Ser	Asp	Asp	Val	Ser	Ser	Ser	Pro	Arg	Lys	Gly	Ala	Val	Ala	Ser
		195					200				205				
Val	Met	Tyr	Thr	Val	Val	Thr	Pro								
	210					215									

<210> 1749

<211> 217

<212> PRT

<213> Unknown (H38g667 protein)

<220>

<223> Synthetic construct

<400> 1749

Ile	Ile	Asp	Ile	Ser	Tyr	Ala	Ser	Asn	Lys	Val	Pro	Lys	Met	Leu	Thr
1				5				10					15		
Asn	Leu	Gly	Leu	Asn	Lys	Arg	Lys	Thr	Ile	Ser	Phe	Val	Pro	Cys	Thr
				20				25					30		
Met	Gln	Thr	Phe	Leu	Tyr	Met	Ala	Phe	Ala	His	Thr	Glu	Cys	Leu	Ile
		35				40				45					
Leu	Val	Met	Met	Ser	Tyr	Asp	Arg	Tyr	Met	Ala	Ile	Cys	His	Pro	Leu
		50				55			60						
Gln	Tyr	Ser	Val	Ile	Met	Arg	Trp	Gly	Val	Cys	Thr	Val	Leu	Ala	Val
	65					70			75				80		
Thr	Ser	Trp	Ala	Cys	Gly	Ser	Leu	Leu	Ala	Leu	Val	His	Val	Val	Leu
			85				90				95				
Ile	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	His	Glu	Ile	Asn	His	Phe	Phe
		100				105				110					
Cys	Glu	Ile	Leu	Ser	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Trp	Leu
		115				120				125					
Asn	Gln	Val	Val	Ile	Phe	Ala	Ala	Ser	Val	Phe	Ile	Leu	Val	Gly	Pro

130	135	140
Leu Cys Leu Val Leu Val Ser Tyr Ser Arg Ile Leu Ala Ala Ile Leu		
145	150	155
Gly Ile Gln Ser Gly Glu Gly Arg Arg Lys Ala Phe Ser Thr Cys Ser		
165	170	175
Ser His Leu Cys Met Val Gly Leu Phe Phe Gly Ser Ala Ile Val Met		
180	185	190
Tyr Met Ala Pro Lys Ser Arg His Pro Glu Glu Gln Gln Lys Val Leu		
195	200	205
Ser Leu Phe Tyr Ser Leu Phe Asn Pro		
210	215	

<210> 1750

<211> 216

<212> PRT

<213> Unknown (H38g668 protein)

<220>

<223> Synthetic construct

<400> 1750

Leu Val Asp Phe Cys Tyr Ser Ser Ala Val Thr Pro Thr Val Ile Ala		
1	5	10
Gly Leu Val Ile Gly Asp Glu Val Ile Ser Tyr Ser Ala Cys Ala Ala		
20	25	30
Gln Met Phe Phe Ala Ala Phe Ala Thr Val Glu Asn Phe Leu Leu		
35	40	45
Ala Ser Met Ala Tyr Asp Arg Tyr Asp Ala Val Cys Lys Pro Leu His		
50	55	60
Tyr Thr Thr Thr Met Thr Thr Ser Val Cys Ala Cys Leu Ala Ile Ile		
65	70	75
Cys Tyr Val Cys Gly Phe Leu Asn Ala Ser Ile His Ile Gly Glu Thr		
85	90	95
Leu Ser Leu Phe Leu Asn Gly Pro Asn Glu Val His Cys Ile Phe Cys		
100	105	110
Asp Val Pro Pro Val Met Ala Leu Ser Cys Cys Asp Arg His Val Asn		
115	120	125
Glu Leu Val Leu Ile Tyr Val Ala Ser Phe Asn Ile Phe Ser Ala Ile		
130	135	140
Leu Val Ile Leu Val Ser Tyr Leu Phe Ile Phe Ile Thr Ile Leu Glu		
145	150	155
Met His Ser Ala Ser Gly Tyr Gln Lys Ala Leu Ser Asn Cys Ala Ser		
165	170	175
His Leu Thr Ala Val Ile Ile Phe Tyr Gly Thr Ile Ile Phe Met Tyr		
180	185	190
Leu Gln Pro Ser Ser Gly His Ser Met Asp Thr Asp Lys Leu Ala Ser		
195	200	205
Val Phe Tyr Thr Met Ile Ile Pro		
210	215	

<210> 1751

<211> 311

<212> PRT

<213> Unknown (H38g669 protein)

<220>

<223> Synthetic construct

<400> 1751

Met Ala Ala Glu Asn Ser Ser Phe Val Thr Gln Phe Ile Leu Ala Gly		
1	5	10
		15

Leu Thr Asp Gln Pro Gly Val Gln Ile Pro Leu Phe Leu Phe Leu
 20 25 30
 Gly Phe Tyr Val Val Thr Val Val Gly Asn Leu Gly Leu Ile Thr Leu
 35 40 45
 Ile Arg Leu Asn Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Tyr
 50 55 60
 Asn Leu Ser Phe Ile Asp Phe Cys Tyr Ser Ser Val Ile Thr Pro Lys
 65 70 75 80
 Met Leu Met Ser Phe Val Leu Lys Lys Asn Ser Ile Ser Tyr Ala Gly
 85 90 95
 Cys Met Thr Gln Leu Phe Phe Leu Phe Phe Val Val Ser Glu Ser
 100 105 110
 Phe Ile Leu Ser Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Leu Tyr Met Val Thr Met Ser Pro Gln Val Cys Phe Leu Leu
 130 135 140
 Leu Leu Gly Val Tyr Gly Met Gly Phe Ala Gly Ala Met Ala His Thr
 145 150 155 160
 Ala Cys Met Met Gly Val Thr Phe Cys Ala Asn Asn Leu Val Asn His
 165 170 175
 Tyr Met Cys Asp Ile Leu Pro Leu Leu Glu Cys Ala Cys Thr Ser Thr
 180 185 190
 Tyr Val Asn Glu Leu Val Val Phe Val Val Val Gly Ile Asp Ile Gly
 195 200 205
 Val Pro Thr Val Thr Ile Phe Ile Ser Tyr Ala Leu Ile Leu Ser Ser
 210 215 220
 Ile Phe His Ile Asp Ser Thr Glu Gly Arg Ser Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ser Ser His Ile Ile Ala Val Ser Leu Phe Phe Gly Ser Gly Ala
 245 250 255
 Phe Met Tyr Leu Lys Pro Phe Ser Leu Leu Ala Met Asn Gln Gly Lys
 260 265 270
 Val Ser Ser Leu Phe Tyr Thr Thr Val Val Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Val Ala Leu Lys Lys Ile
 290 295 300
 Leu Asn Lys Asn Ala Phe Ser
 305 310

<210> 1752

<211> 309

<212> PRT

<213> Unknown (H38g670 protein)

<220>

<223> Synthetic construct

<400> 1752

Met Thr Leu Arg Asn Ser Ser Ser Val Thr Glu Phe Ile Leu Val Gly
 1 5 10 15
 Leu Ser Glu Gln Pro Glu Leu Gln Leu Pro Leu Phe Leu Leu Phe Leu
 20 25 30
 Gly Ile Tyr Val Phe Thr Val Val Gly Asn Leu Gly Leu Ile Thr Leu
 35 40 45
 Ile Gly Ile Asn Pro Ser Leu His Thr Pro Met Tyr Phe Phe Leu Phe
 50 55 60
 Asn Leu Ser Phe Ile Asp Leu Cys Tyr Ser Cys Val Phe Thr Pro Lys
 65 70 75 80
 Met Leu Asn Asp Phe Val Ser Glu Ser Ile Ile Ser Tyr Val Gly Cys
 85 90 95
 Met Thr Gln Leu Phe Phe Cys Phe Phe Val Asn Ser Glu Cys Tyr

100	105	110
Val Leu Val Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn Pro		
115	120	125
Leu Leu Tyr Met Val Thr Met Ser Pro Arg Val Cys Phe Leu Leu Met		
130	135	140
Phe Gly Ser Tyr Val Val Gly Phe Ala Gly Ala Met Ala His Thr Gly		
145	150	155
Ser Met Leu Arg Leu Thr Phe Cys Asp Ser Asn Val Ile Asp His Tyr		
165	170	175
Leu Cys Asp Val Leu Pro Leu Leu Gln Leu Ser Cys Thr Ser Thr His		
180	185	190
Val Ser Glu Leu Val Phe Phe Ile Val Val Gly Val Ile Thr Met Leu		
195	200	205
Ser Ser Ile Ser Ile Val Ile Ser Tyr Ala Leu Ile Leu Ser Asn Ile		
210	215	220
Leu Cys Ile Pro Ser Ala Glu Gly Arg Ser Lys Ala Phe Ser Thr Trp		
225	230	235
Gly Ser His Ile Ile Ala Val Ala Leu Phe Phe Gly Ser Gly Thr Phe		
245	250	255
Thr Tyr Leu Thr Thr Ser Phe Pro Gly Ser Met Asn His Gly Arg Phe		
260	265	270
Ala Ser Val Phe Tyr Thr Asn Val Val Pro Met Leu Asn Pro Ser Ile		
275	280	285
Tyr Ser Leu Arg Asn Lys Asp Asp Lys Leu Ala Leu Gly Lys Thr Leu		
290	295	300
Lys Arg Val Leu Phe		
305		

<210> 1753

<211> 297

<212> PRT

<213> Unknown (H38g671 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(297)

<223> Xaa = Any Amino Acid

<400> 1753

Met Lys Xaa Met Ala Val Glu Asn Asn Ser Ser Val Thr Glu Phe Ile			
1	5	10	15
Leu Val Arg Leu Thr Asn Ser Arg Cys Pro Ser Val Leu Phe Leu Met			
20	25	30	
Trp Ser Leu Trp Gly Glu Phe Glu His Asn Phe Met Ser Leu Asn Ser			
35	40	45	
His Leu His Thr Pro Thr His Phe Phe Leu Phe Thr Leu Ser Phe Ile			
50	55	60	
Asp Val Cys Tyr Ser Phe Val Cys Thr Thr Lys Ile Pro Met Gly Phe			
65	70	75	80
Ile Ser Glu Arg Asn Ile Ile Ser Phe Val Gly Trp Pro Thr Xaa Leu			
85	90	95	
Tyr Phe Phe Cys Ile Phe Val Lys Glu Pro Lys Asn Gly Val Ile Val			
100	105	110	
Gly Ile Met Phe Ser Ala Lys Met Leu Val Cys Arg Glu Ile Met Asp			
115	120	125	
Xaa Ser Leu Met Xaa Asn Xaa Lys Met His Met Ala Leu Glu Arg Ser			
130	135	140	
Asp Phe Arg Met Gly Xaa Thr Gly Ser Ala Thr Lys Lys His Leu Ile			
145	150	155	160

Ile Phe Leu Tyr Tyr Ser Asp Tyr Phe Gln Arg Xaa Xaa Gly Cys Arg
 165 170 175
 Ala Leu Gly Gln Gly Ser Leu Ala Lys Gln Asp Thr Thr Leu Xaa Asn
 180 185 190
 Cys Thr Cys Thr Leu Lys Ser Leu Leu His Ile Ile Cys Phe Tyr
 195 200 205
 Ile Trp Lys Gln Lys Lys Ile Ser Tyr Leu Tyr His Lys Ser Xaa Lys
 210 215 220
 Met Asp Leu Tyr Lys Ile Cys His Val Leu Trp Val Thr His Lys Lys
 225 230 235 240
 Asn Phe Leu Arg Pro Ser Ser Thr Ser Gln Met Val Gln Gly Lys Met
 245 250 255
 Leu Leu Lys Gly Tyr Ile Xaa Phe Trp Arg Met Ser Leu Pro Met Cys
 260 265 270
 Ala Ile Phe Ile Phe Val Arg Arg Tyr Tyr Leu Leu Lys Lys Leu
 275 280 285
 Lys Thr Leu Leu Tyr Lys Asn Ser Tyr
 290 295

<210> 1754

<211> 313

<212> PRT

<213> Unknown (H38g672 protein)

<220>

<223> Synthetic construct

<400> 1754

Met Leu Ala Arg Asn Asn Ser Leu Val Thr Glu Phe Ile Leu Ala Gly
 1 5 10 15
 Leu Thr Asp Arg Pro Glu Phe Arg Gln Pro Leu Phe Phe Leu Phe Leu
 20 25 30
 Val Val Tyr Ile Val Thr Met Val Gly Asn Leu Gly Leu Ile Ile Leu
 35 40 45
 Phe Gly Leu Asn Ser His Leu His Thr Pro Met Tyr Tyr Phe Leu Phe
 50 55 60
 Asn Leu Ser Phe Ile Asp Leu Cys Tyr Ser Ser Val Phe Thr Pro Lys
 65 70 75 80
 Met Leu Met Asn Phe Val Ser Lys Lys Asn Ile Ile Ser Tyr Val Gly
 85 90 95
 Cys Met Thr Gln Leu Phe Phe Leu Phe Phe Val Ile Ser Glu Cys
 100 105 110
 Tyr Met Leu Thr Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Leu Tyr Lys Val Thr Met Ser His Gln Val Cys Ser Met Leu
 130 135 140
 Thr Phe Ala Ala Tyr Ile Met Gly Leu Ala Gly Ala Thr Ala His Thr
 145 150 155 160
 Gly Cys Met Leu Arg Leu Thr Phe Cys Ser Ala Asn Ile Ile Asn His
 165 170 175
 Tyr Leu Cys Asp Ile Leu Pro Leu Leu Gln Leu Ser Cys Thr Ser Thr
 180 185 190
 Tyr Val Asn Glu Val Val Val Leu Ile Val Val Gly Ile Asn Ile Met
 195 200 205
 Val Pro Ser Cys Thr Ile Leu Ile Ser Tyr Val Phe Ile Val Thr Ser
 210 215 220
 Ile Leu His Ile Lys Ser Thr Gln Gly Arg Ser Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ser Ser His Val Ile Ala Leu Ser Leu Phe Phe Gly Ser Ala Ala
 245 250 255
 Phe Met Tyr Ile Lys Tyr Ser Ser Gly Ser Met Glu Gln Gly Lys Val

260	265	270
Ser Ser Val Phe Tyr Thr Asn Val Val Pro Met Leu Asn Pro Leu Ile		
275	280	285
Tyr Ser Leu Arg Asn Lys Asp Val Lys Val Ala Leu Arg Lys Ala Leu		
290	295	300
Ile Lys Ile Gln Arg Arg Asn Ile Phe		
305	310	

<210> 1755

<211> 357

<212> PRT

<213> Unknown (H38g673 protein)

<220>

<223> Synthetic construct

<400> 1755

Met Asn Trp Val Asn Lys Ser Val Pro Gln Glu Phe Ile Leu Leu Val			
1	5	10	15
Phe Ser Asp Gln Pro Trp Leu Glu Ile Pro Pro Phe Val Met Phe Leu			
20	25	30	
Phe Ser Tyr Ile Leu Thr Ile Phe Gly Asn Leu Thr Ile Ile Leu Val			
35	40	45	
Ser His Val Asp Phe Lys Leu His Thr Pro Met Tyr Phe Phe Leu Ser			
50	55	60	
Asn Leu Ser Leu Leu Asp Leu Cys Tyr Thr Ser Thr Val Pro Gln			
65	70	75	80
Met Leu Val Asn Ile Cys Asn Thr Arg Lys Val Ile Ser Tyr Gly Gly			
85	90	95	
Cys Val Ala Gln Leu Phe Ile Phe Leu Ala Leu Gly Ser Thr Glu Cys			
100	105	110	
Leu Leu Ala Val Met Cys Phe Asp Arg Phe Val Ala Ile Cys Arg			
115	120	125	
Pro Leu His Tyr Ser Ile Ile Met His Gln Arg Leu Cys Phe Gln Leu			
130	135	140	
Ala Ala Ala Ser Trp Ile Ser Gly Phe Ser Asn Ser Val Leu Gln Ser			
145	150	155	160
Thr Trp Thr Leu Lys Met Pro Leu Cys Gly His Lys Glu Val Asp His			
165	170	175	
Phe Phe Cys Glu Val Pro Ala Leu Leu Lys Leu Ser Cys Val Asp Thr			
180	185	190	
Thr Ala Asn Glu Ala Glu Leu Phe Phe Ile Ser Val Leu Phe Leu Leu			
195	200	205	
Ile Pro Val Thr Leu Ile Leu Ile Ser Tyr Ala Phe Ile Val Gln Ala			
210	215	220	
Val Leu Arg Ile Gln Ser Ala Glu Gly Gln Arg Lys Ala Phe Gly Thr			
225	230	235	240
Cys Gly Ser His Leu Ile Val Val Ser Leu Phe Tyr Gly Thr Ala Ile			
245	250	255	
Ser Met Tyr Leu Gln Pro Pro Ser Pro Ser Ser Lys Asp Arg Gly Lys			
260	265	270	
Met Val Ser Leu Phe Cys Gly Ile Ile Ala Pro Met Leu Asn Pro Leu			
275	280	285	
Ile Tyr Thr Leu Arg Asn Lys Glu Val Lys Glu Ala Phe Lys Arg Leu			
290	295	300	
Val Ala Lys Ser Leu Leu Asn Gln Glu Ile Arg Asn Met Gln Met Ile			
305	310	315	320
Ser Phe Ala Lys Asp Thr Val Leu Thr Tyr Leu Thr Asn Phe Ser Ala			
325	330	335	
Ser Cys Pro Ile Phe Val Ile Thr Ile Glu Asn Tyr Cys Asn Leu Pro			
340	345	350	

Gln Arg Lys Phe Pro
355

<210> 1756
<211> 331
<212> PRT
<213> Unknown (H38g674 protein)

<220>
<223> Synthetic construct

<221> VARIANT
<222> (1)...(331)
<223> Xaa = Any Amino Acid

<400> 1756
Met Ala Pro Gly Asn Gly Phe Phe Met Thr Lys Ile Ile Leu Leu Glu
1 5 10 15
Leu Thr Asp Gln Pro Asp Leu Gln Leu Pro Leu Phe Phe Leu Phe Leu
20 25 30
Val Tyr Gly His Cys Val Gly Lys Phe Gly Leu Val Thr Leu Val Val
35 40 45
Leu Asn Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Phe Asn Leu
50 55 60
Ser Phe Ile Asp Leu Cys Tyr Ser Ser Val Phe Thr Pro Gln Met Leu
65 70 75 80
Met Asn Phe Ile Thr Gln Lys Asp Ile Ile Ser His Met Gly Cys Met
85 90 95
Ser Gln Leu Phe Phe Phe Ala Leu Phe Phe Gly Ile Ser Glu Cys
100 105 110
Tyr Val Leu Thr Ser Met Ala Tyr Asp Arg Ala Cys His His Asp His
115 120 125
His Val Ala Ile Cys Asn Pro Leu Leu Tyr Asn Ile Ala Met Ser Pro
130 135 140
Lys Val Tyr Ser His Leu Met Leu Gly Leu Tyr Leu Leu Ala Phe Ser
145 150 155 160
Ser Ala Met Ala His Thr Gly Cys Met Leu Arg Leu Thr Phe Cys Asp
165 170 175
Ala Asn Thr Ile His Pro Tyr Leu Cys Asp Ile Leu Pro Leu Leu Gln
180 185 190
Leu Ser Cys Thr Gly Thr Tyr Ile Asn Glu Leu Val Val Ser Thr Ala
195 200 205
Ala Val Ile Ile Ser Thr Val Thr Ile Phe Ile Ser Cys Gly Cys Ser
210 215 220
Ser Tyr Ile Ile Leu His Ile Asn Ser Lys Glu Gly Arg Ser Lys Ala
225 230 235 240
Leu Asn Thr Cys Ser Ser Asn Leu Ile Ala Val Ser Leu Met Phe Gly
245 250 255
Ser Cys Ala Phe Met Cys Leu Lys Pro Ser Ser Ala Gly Ser Met Asp
260 265 270
Glu Gly Lys Ile Ser Ser Val Phe Tyr Thr Asn Thr Ala Pro Leu Met
275 280 285
Asn Pro Leu Ile Tyr Ser Leu Met Asn Lys Met Phe Asn Phe Leu Xaa
290 295 300
Glu Lys Asn Pro Ser Arg Lys Lys Phe Xaa Leu Glu Ile Val Ser Phe
305 310 315 320
Cys Ala Cys Ile Phe Arg Thr Gly Ser Phe Cys
325 330

<210> 1757
<211> 332

<212> PRT

<213> Unknown (H38g675 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(332)

<223> Xaa = Any Amino Acid

<400> 1757

Met	Ala	Pro	Gly	Asn	Gly	Ser	Leu	Met	Asn	Glu	Phe	Ile	Leu	Val	Gly
1								10						15	
Leu	Thr	Asp	Xaa	Pro	Asp	Leu	Xaa	Leu	Pro	Leu	Phe	Phe	Met	Phe	Leu
								20		25				30	
Val	Met	Tyr	Val	Val	Thr	Val	Ile	Arg	Asn	Phe	Val	Leu	Val	Ile	Leu
							35		40				45		
Thr	Met	Arg	Asn	Ser	Arg	Leu	His	Thr	Pro	Lys	Tyr	Phe	Phe	Leu	Ser
							50		55			60			
Lys	Leu	Phe	Phe	Thr	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Phe	Ile	Leu	Gln
							65		70		75			80	
Leu	Pro	Arg	Lys	Cys	Ile	Ser	Glu	Glu	Asn	Val	Ile	Ser	Tyr	Met	Val
							85			90			95		
Cys	Met	Ile	Xaa	Leu	Phe	Xaa									
							100		105				110		
Phe	Ile	Ser	Glu	Cys	Tyr	Met	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Cys	Cys
							115		120				125		
Val	Ala	Ile	Cys	Tyr	Pro	Leu	Leu	Tyr	His	Ile	Ala	Met	Ser	Pro	Lys
							130		135				140		
Val	Cys	Phe	Ser	Leu	Met	Leu	Gly	Ser	Tyr	Phe	Leu	Ser	Phe	Ser	Gly
							145		150		155			160	
Ala	Met	Ala	His	Thr	Gly	Cys	Met	Leu	Arg	Leu	Thr	Cys	Asp	Ala	Asn
							165			170			175		
Thr	Ile	Asn	His	Tyr	Phe	Arg	Asp	Ile	Leu	Pro	Val	Phe	Gln	Leu	Ser
							180		185				190		
Cys	Thr	Ser	Thr	Tyr	Ile	Asn	Glu	Leu	Val	Val	Phe	Ile	Val	Ala	Gly
							195		200			205			
Ile	Asn	Thr	Ile	Val	Pro	Thr	Val	Thr	Val	Phe	Ile	Ser	Tyr	Gly	Asp
							210		215			220			
Ile	Leu	Ser	Arg	Ile	Leu	His	Ile	Ser	Ser	Asn	Glu	Gly	Arg	Ser	Lys
							225		230		235			240	
Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Ile	Ile	Ala	Val	Ser	Leu	Phe	Phe
							245			250			255		
Gly	Leu	Ser	Ala	Phe	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Gly	Ser	Met
							260		265			270			
Asp	Glu	Gly	Lys	Phe	Ser	Ser	Val	Phe	Tyr	Met	Asn	Gly	Leu	Pro	Met
							275		280			285			
Met	Ser	Ser	Leu	Ile	Tyr	Ser	Leu	Arg	Arg	Lys	Asp	Val	Lys	Phe	Ala
							290		295			300			
Met	Gly	Lys	Ser	Leu	Ser	Arg	Arg	Met	Phe	Leu	Pro	Xaa	Thr	Thr	Phe
							305		310		315			320	
Leu	Cys	Val	Cys	Ser	Tyr	Arg	Met	Gly	Ile	Leu	Cys				
							325			330					

<210> 1758

<211> 313

<212> PRT

<213> Unknown (H38g676 protein)

<220>

<223> Synthetic construct

<400> 1758

Met Asp Ser Leu Asn Gln Thr Arg Val Thr Glu Phe Val Phe Leu Gly
 1 5 10 15
 Leu Thr Asp Asn Arg Val Leu Glu Met Leu Phe Phe Met Ala Phe Ser
 20 25 30
 Ala Ile Tyr Met Leu Thr Leu Ser Gly Asn Ile Leu Ile Ile Ala
 35 40 45
 Thr Val Phe Thr Pro Ser Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Asn Leu Ser Phe Ile Asp Ile Cys His Ser Ser Val Thr Val Pro Lys
 65 70 75 80
 Met Leu Glu Gly Leu Leu Glu Arg Lys Thr Ile Ser Phe Asp Asn
 85 90 95
 Cys Ile Thr Gln Leu Phe Phe Leu His Leu Phe Ala Cys Ala Glu Ile
 100 105 110
 Phe Leu Leu Ile Ile Val Ala Tyr Asp Arg Tyr Val Ala Ile Cys Thr
 115 120 125
 Pro Leu His Tyr Pro Asn Val Met Asn Met Arg Val Cys Ile Gln Leu
 130 135 140
 Val Phe Ala Leu Trp Leu Gly Gly Thr Val His Ser Leu Gly Gln Thr
 145 150 155 160
 Phe Leu Thr Ile Arg Leu Pro Tyr Cys Gly Pro Asn Ile Ile Asp Ser
 165 170 175
 Tyr Phe Cys Asp Val Pro Leu Val Ile Lys Leu Ala Cys Thr Asp Thr
 180 185 190
 Tyr Leu Thr Gly Ile Leu Ile Val Thr Asn Ser Gly Thr Ile Ser Leu
 195 200 205
 Ser Cys Phe Leu Ala Val Val Thr Ser Tyr Met Val Ile Leu Val Ser
 210 215 220
 Leu Arg Lys His Ser Ala Glu Gly Arg Gln Lys Ala Leu Ser Thr Cys
 225 230 235 240
 Ser Ala His Phe Met Val Val Ala Leu Phe Phe Gly Pro Cys Ile Phe
 245 250 255
 Ile Tyr Thr Arg Pro Asp Thr Ser Phe Ser Ile Asp Lys Val Val Ser
 260 265 270
 Val Phe Tyr Thr Val Val Thr Pro Leu Leu Asn Pro Phe Ile Tyr Thr
 275 280 285
 Leu Arg Asn Glu Glu Val Lys Ser Ala Met Lys Gln Leu Arg Gln Arg
 290 295 300
 Gln Val Phe Phe Thr Lys Ser Tyr Thr
 305 310

<210> 1759

<211> 331

<212> PRT

<213> Unknown (H38g677 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(331)

<223> Xaa = Any Amino Acid

<400> 1759

Met Ala Pro Gly Asn Ile Ser Thr Val Ala Glu Leu Ile Leu Val Gly
 1 5 10 15
 Leu Lys Asp Gln Thr Asp Leu Gln Pro Pro Leu Phe Phe Leu Phe Leu
 20 25 30
 Val Met Gly Val Val Ala Gly Xaa Gly Asn Leu Gly Leu Val Thr Leu

35	40	45
Ile Val Phe Ser Ser His Phe His Ala Pro Met Tyr Phe Phe Leu Phe		
50	55	60
Ser Leu Ala Phe Ile Asp His Phe Tyr Ser Ser Val Phe Ile Pro Lys		
65	70	75
Met Leu Met Asn Phe Ile Thr Glu Lys Asn Ile Ile Ser Tyr Ala Gly		
85	90	95
Cys Met Ser Ala Phe Phe Ser Phe Phe Phe Cys Phe Phe Val Ile		
100	105	110
Ser Glu Cys Tyr Val Leu Thr Ser Met Val Ser Asp His Tyr Val Ala		
115	120	125
Met Ala Ile Cys Asn Pro Leu Leu Tyr Asn Ile Ala Met Ser Pro Lys		
130	135	140
Val Cys Ser Ser His Met Leu Gly Ser Tyr Phe Trp Pro Phe Ser Gly		
145	150	155
Ala Met Ala His Thr Arg Cys Met Leu Lys Leu Thr Ser Cys Glu Ala		
165	170	175
Asn Thr Ile Asn His Tyr Phe Cys Asp Thr Leu His Leu Leu Gln Leu		
180	185	190
Ser Cys Thr Ser Thr Tyr Val Ser Glu Leu Met Val Phe Ile Ala Ala		
195	200	205
Gly Ile Ile Phe Thr Val Pro Ser Ile Thr Ile Phe Ile Ser Tyr Phe		
210	215	220
Phe Thr Ser Pro Leu Ser Tyr His Phe Thr Glu Gly Trp Ser Lys Phe		
225	230	235
Phe Ser Thr Cys Ser Phe His Lys Ile Ala Ile Ser Leu Phe Phe Gly		
245	250	255
Leu Gly Ala Ser Leu Cys Leu Lys Leu Ser Ser Thr Gly Thr Ile Asn		
260	265	270
Glu Gly Lys Ile Ser Ser Val Phe His Ile Asp Val Val Pro Met Ile		
275	280	285
Asn Ser Ser Ile Tyr Ser Leu Arg Asn Asn Asp Val Lys Leu Ala Trp		
290	295	300
Arg Lys Ile Leu Ser Trp Arg Lys Phe Pro Phe Glu Thr Ile Ser Leu		
305	310	315
His Ala Tyr Ser Tyr Arg Thr Arg Arg Phe Cys		
325	330	

<210> 1760

<211> 322

<212> PRT

<213> Unknown (H38g678 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(322)

<223> Xaa = Any Amino Acid

<400> 1760

Met Ser Val Val Glu Ala Asn Asn Ile Ser Gly Pro Val Ser Glu Phe		
1	5	10
Ile Leu Leu Gly Phe Pro Cys Arg Cys Arg Glu Thr Lys Ile Leu Leu		
20	25	30
Phe Val Val Phe Ser Leu Ile Tyr Leu Leu Thr Leu Met Gly Asn Thr		
35	40	45
Ser Ile Ile Cys Ala Val Trp Ser Ser Gln Lys Leu His Thr Pro Met		
50	55	60
Tyr Ile Leu Leu Ala Asn Phe Ser Phe Leu Glu Ile Cys Cys Ile Ser		
65	70	75
		80

<210> 1761
<211> 335
<212> PRT
<213> Unknown (H38g679 protein)

<220>
<223> Synthetic construct

<221> VARIANT
<222> (1)...(335)
<223> Xaa = Any Amino Acid

<400> 1761
 Met Glu Glu Ala Ile Leu Leu Asn Gln Thr Ser Leu Val Thr Tyr Phe
 1 5 10 15
 Arg Leu Arg Gly Leu Ser Val Asn His Lys Ala Arg Ile Ala Met Phe
 20 25 30
 Ser Met Phe Leu Ile Phe Tyr Val Leu Thr Leu Ile Gly Asn Val Leu
 35 40 45
 Ile Val Ile Thr Ile Ile Tyr Asp His Arg Leu His Thr Pro Met Tyr
 50 55 60
 Phe Phe Leu Ser Asn Leu Ser Phe Ile Asp Val Cys His Ser Thr Val
 65 70 75 80
 Thr Val Pro Lys Met Leu Arg Asp Val Trp Ser Glu Glu Lys Leu Ile
 85 90 95
 Ser Phe Asp Ala Cys Val Thr Gln Met Phe Phe Leu His Leu Phe Ala
 100 105 110
 Cys Thr Glu Ile Phe Leu Leu Thr Val Met Ala Tyr Asp Arg Tyr Val

115	120	125
Ala Ile Cys Lys Pro Leu Gln Tyr Met Ile Val	Met Asn Trp Lys Val	
130	135	140
Cys Val Leu Leu Ala Val Ala Leu Trp Thr Gly	Gly Thr Ile His Ser	
145	150	155
Ile Ala Leu Thr Ser Leu Thr Ile Lys Leu Pro	Tyr Cys Gly Pro Asp	
165	170	175
Glu Ile Asp Asn Phe Phe Cys Asp Val Pro Gln	Val Ile Lys Leu Ala	
180	185	190
Cys Ile Asp Thr Pro Tyr Val Leu Glu Ile Leu	Ile Val Ser Asn Ser	
195	200	205
Gly Leu Ile Ser Val Val Cys Phe Val Val Leu	Val Val Ser Tyr Ala	
210	215	220
Val Ile Leu Val Ser Leu Arg Gln Gln Ile Ser	Lys Gly Lys Trp Lys	
225	230	235
Ala Leu Ser Thr Cys Ala Ala His Leu Thr Val	Val Thr Leu Phe Leu	
245	250	255
Gly His Cys Ile Phe Ile Tyr Ser Arg Pro Ser	Thr Ser Leu Pro Glu	
260	265	270
Asp Lys Ala Val Ser Val Phe Phe Thr Ala Val	Thr Pro Leu Leu Asn	
275	280	285
Pro Ile Ile Tyr Thr Leu Arg Asn Glu Glu Met	Lys Ser Ala Leu Asn	
290	295	300
Lys Leu Val Gly Arg Lys Glu Arg Lys Glu Glu	Lys Xaa Lys Cys Pro	
305	310	315
Thr Ser Leu Gly Tyr Val Val Leu Gln Ile Lys	Glu Ala Pro Cys	
325	330	335

<210> 1762

<211> 161

<212> PRT

<213> Unknown (H38g680 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(161)

<223> Xaa = Any Amino Acid

<400> 1762

Thr	Gly	Thr	Gly	Xaa	Trp	Leu	Cys	His	Ala	Met	Ile	Leu	Thr	Pro	Leu
1					5					10					15
Thr	Phe	Gln	Leu	Pro	Tyr	Cys	Gly	Leu	Thr	Arg	Trp	Asp	Tyr	Tyr	Phe
	20					25									30
Cys	Asp	Ile	Pro	Ala	Val	Leu	Pro	Leu	Ala	Cys	Lys	Asp	Thr	Ser	Leu
	35					40									45
Ala	Gln	Arg	Val	Gly	Phe	Thr	Asn	Val	Gly	Leu	Leu	Ser	Leu	Ile	Cys
	50					55									60
Phe	Phe	Leu	Ile	Leu	Val	Ser	Tyr	Thr	Cys	Ile	Gly	Ile	Ser	Ile	Ser
	65					70									80
Lys	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Gln	Arg	Ala	Phe	Ser	Thr	Cys	Ser
	85							90							95
Ala	His	Leu	Thr	Ala	Ile	Leu	Cys	Ala	Tyr	Gly	Pro	Val	Ile	Val	Ile
	100								105						110
Tyr	Leu	Gln	Pro	Asn	Pro	Ser	Ala	Leu	Leu	Gly	Ser	Ile	Ile	Gln	Ile
	115								120						125
Leu	Asn	Asn	Leu	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu
	130								135						140
Arg	Asn	Lys	Asp	Val	Lys	Ser	Asp	Gln	Pro	Xaa	Gly	Met	Tyr	Phe	Pro
	145								150						160

Arg

<210> 1763
 <211> 134
 <212> PRT
 <213> Unknown (H38g681 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(134)
 <223> Xaa = Any Amino Acid

<400> 1763
 Leu Leu Phe Leu Met Phe Phe Ile Thr Ser Leu Gly His Lys Phe His
 1 5 10 15
 Leu Ile Ser Phe Pro Phe Ser Gln Gln Thr Thr Xaa Gln Lys Tyr Phe
 20 25 30
 Ile Ile Phe Glu Val Xaa Leu Cys Xaa Xaa His Thr Leu Thr Ala Leu
 35 40 45
 Ile Tyr Cys Xaa Met Ser Leu Phe Xaa Gly Ile Asp Leu Phe Val Gly
 50 55 60
 Tyr Asn Pro Cys Ser Pro Arg Val Leu Phe Leu Phe Leu Gly Arg Gly
 65 70 75 80
 Pro Ser Gly Phe Ser Leu Glu Ser Leu Ser Phe Tyr Arg Thr Ser Phe
 85 90 95
 Thr Trp Gln His Leu His Leu Lys Phe Tyr Cys Pro Ser Xaa Gly Xaa
 100 105 110
 Leu Leu Lys Ser Phe Leu Ser Ala Ile Trp Leu Leu Phe Ser Thr Tyr
 115 120 125
 Phe Leu Arg Val Leu Ser
 130

<210> 1764
 <211> 311
 <212> PRT
 <213> Unknown (H38g682 protein)

<220>
 <223> Synthetic construct

<400> 1764
 Met Ala Thr Ser Asn His Ser Ser Gly Ala Glu Phe Ile Leu Ala Gly
 1 5 10 15
 Leu Thr Gln Arg Pro Glu Leu Gln Leu Pro Leu Phe Leu Leu Phe Leu
 20 25 30
 Gly Ile Tyr Val Val Thr Val Val Gly Asn Leu Gly Met Ile Phe Leu
 35 40 45
 Ile Ala Leu Ser Ser Gln Leu Tyr Pro Pro Val Tyr Tyr Phe Leu Ser
 50 55 60
 His Leu Ser Phe Ile Asp Leu Cys Tyr Ser Ser Val Ile Thr Pro Lys
 65 70 75 80
 Met Leu Val Asn Phe Val Pro Glu Glu Asn Ile Ile Ser Phe Leu Glu
 85 90 95
 Cys Ile Thr Gln Leu Tyr Phe Phe Leu Ile Phe Val Ile Ala Glu Gly
 100 105 110
 Tyr Leu Leu Thr Ala Met Glu Tyr Asp Arg Tyr Val Ala Ile Cys Arg
 115 120 125
 Pro Leu Leu Tyr Asn Ile Val Met Ser His Arg Val Cys Ser Ile Met

130	135	140	
Met Ala Val Val Tyr Ser	Leu Gly Phe Leu Trp Ala Thr Val His Thr		
145	150	155	160
Thr Arg Met Ser Val Leu Ser Phe Cys Arg Ser His Thr Val Ser His			
165	170	175	
Tyr Phe Cys Asp Ile Leu Pro Leu Leu Thr Leu Ser Cys Ser Ser Thr			
180	185	190	
His Ile Asn Glu Ile Leu Leu Phe Ile Ile Gly Gly Val Asn Thr Leu			
195	200	205	
Ala Thr Thr Leu Ala Val Leu Ile Ser Tyr Ala Phe Ile Phe Ser Ser			
210	215	220	
Ile Leu Gly Ile His Ser Thr Glu Gly Gln Ser Lys Ala Phe Gly Thr			
225	230	235	240
Cys Ser Ser His Leu Leu Ala Val Gly Ile Phe Phe Gly Ser Ile Thr			
245	250	255	
Phe Met Tyr Phe Lys Pro Pro Ser Ser Thr Thr Met Glu Lys Glu Lys			
260	265	270	
Val Ser Ser Val Phe Tyr Ile Thr Ile Ile Pro Met Leu Asn Pro Leu			
275	280	285	
Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Asn Ala Leu Lys Lys Met			
290	295	300	
Thr Arg Gly Arg Gln Ser Ser			
305	310		

<210> 1765

<211> 316

<212> PRT

<213> Unknown (H38g683 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(316)

<223> Xaa = Any Amino Acid

<400> 1765

Met Val Ile Leu Ser Trp Glu Asn Gln Thr Met Arg Val Glu Phe Val			
1	5	10	15
Leu Gln Gly Phe Ser Ser Ile Arg Gln Leu Asn Ile Phe Leu Phe Met			
20	25	30	
Ile Ile Leu Val Phe Tyr Ile Leu Thr Val Ser Gly Asn Ile Leu Ile			
35	40	45	
Val Leu Leu Val Leu Val Arg His His Leu His Thr Pro Met Tyr Phe			
50	55	60	
Leu Leu Val Asn Leu Ser Cys Leu Glu Ile Trp Tyr Thr Ser Asn Ile			
65	70	75	80
Ile Pro Lys Met Leu Leu Ile Ile Ala Glu Xaa Lys Thr Ile Ser			
85	90	95	
Val Ala Gly Trp Leu Ala Gln Phe Tyr Phe Phe Gly Ser Leu Ala Ala			
100	105	110	
Thr Glu Cys Leu Leu Leu Thr Val Met Ser Tyr Asp Arg Tyr Leu Ala			
115	120	125	
Ile Cys Gln Pro Leu Cys Tyr Arg Val Leu Met Thr Gly Pro Leu Cys			
130	135	140	
Ile Arg Leu Ala Ala Gly Ser Trp Phe Cys Cys Phe Leu Leu Thr Ala			
145	150	155	160
Ile Thr Met Val Leu Leu Cys Arg Leu Thr Phe Cys Gly Pro Tyr Glu			
165	170	175	
Thr Asp His Phe Phe Cys Asp Phe Thr Pro Leu Val His Leu Ser Cys			
180	185	190	

Met Asp Thr Ser Val Thr Glu Thr Ile Ala Phe Ala Thr Ser Ser Ala
 195 200 205
 Val Thr Leu Ile Pro Phe Leu Leu Ile Val Ala Ser Tyr Ser Cys Val
 210 215 220
 Leu Ser Ala Ile Leu Arg Ile Pro Ser Cys Thr Gly Gln Lys Lys Ala
 225 230 235 240
 Phe Ser Thr Cys Ser Ser His Leu Thr Val Val Ile Val Phe Tyr Gly
 245 250 255
 Thr Leu Ile Ala Thr Tyr Leu Val Pro Ser Ala Asn Ser Ser Gln Leu
 260 265 270
 Leu Cys Lys Gly Ser Ser Leu Leu Tyr Ile Ile Leu Thr Pro Met Phe
 275 280 285
 Asn Pro Ile Ile Tyr Ser Leu Arg Asn Arg Asp Ile His Glu Ala Leu
 290 295 300
 Lys Lys Cys Leu Arg Lys Lys Ser Gly Val Cys Leu
 305 310 315

<210> 1766

<211> 315

<212> PRT

<213> Unknown (H38g684 protein)

<220>

<223> Synthetic construct

<400> 1766

Pro Val Arg Thr Leu Glu Thr Thr Asn Ile Thr Gly Phe Val Asn Glu
 1 5 10 15
 Phe Ile Leu Leu Gly Phe Pro Cys Arg Trp Glu Ile Gln Ile Leu Leu
 20 25 30
 Phe Val Val Phe Ser Leu Ile Tyr Leu Leu Thr Leu Leu Gly Asn Thr
 35 40 45
 Ser Ile Ile Cys Ala Val Trp Ser Ser Gln Lys Leu His Thr Pro Met
 50 55 60
 Tyr Ile Leu Leu Ala Asn Phe Ser Phe Leu Glu Ile Cys Cys Val Ser
 65 70 75 80
 Ser Asp Val Pro Ile Met Ala Ala Asn Leu Ile Ser Gln Thr Gln Ser
 85 90 95
 Ile Ser Cys Ala Gly Cys Leu Leu Arg Phe Tyr Phe Phe Ser Met Cys
 100 105 110
 Ala Ala Glu Cys Leu Phe Leu Ser Val Met Ser Phe Asp Arg Phe Pro
 115 120 125
 Ala Ile Cys Arg Pro Leu His Tyr Pro Thr Leu Met Thr His His Val
 130 135 140
 Cys Ala His Phe Val Ile Phe Cys Trp Val Gly Gly Cys Leu Trp Leu
 145 150 155 160
 Leu Thr Pro Leu Thr Leu Ile Ser Gln Val Leu Phe Cys Gly Pro Asn
 165 170 175
 Thr Ile Asp His Phe Phe Cys Asp Leu Ala Pro Leu Leu Ala Leu Ser
 180 185 190
 Cys Ala Pro Ile Pro Gly Ile Thr Leu Thr Cys Gly Ile Ile Ser Ala
 195 200 205
 Leu Ile Ile Phe Leu Thr Phe Leu Tyr Ile Leu Gly Thr Tyr Phe Cys
 210 215 220
 Val Leu Ser Thr Val Leu Gln Val Pro Ser Gly Leu Gly Arg His Lys
 225 230 235 240
 Ala Phe Ser Thr Cys Gly Cys His Leu Ala Val Val Ser Leu Phe Tyr
 245 250 255
 Gly Ser Leu Met Val Met Tyr Val Ser Pro Gly Ser Gly Asp Tyr His
 260 265 270
 Gly Ile Lys Lys Phe Ala Thr Leu Phe Tyr Thr Leu Ser Thr Pro Phe

275	280	285
Phe Asn Pro Leu Ile Tyr Ser Phe Arg Asn Lys Asp Met Lys Glu Ala		
290	295	300
Leu Lys Lys Phe Leu Arg Asn Arg His Thr Val		
305	310	315

<210> 1767
 <211> 316
 <212> PRT
 <213> Unknown (H38g685 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(316)
 <223> Xaa = Any Amino Acid

<400> 1767

Leu Ile Ala Thr Gly Asn Trp Thr Arg Ile Ser Lys Phe Ile Leu Met			
1	5	10	15
Ser Phe Ser Ser Leu Pro Thr Glu Ile Gln Ser Leu Leu Phe Leu Thr			
20	25	30	
Phe Leu Thr Ile Tyr Leu Val Thr Leu Met Gly Asn Cys Leu Ile Ile			
35	40	45	
Leu Val Thr Leu Ala Asp Pro Met Leu His Ser Pro Met Tyr Phe Phe			
50	55	60	
Leu Arg Asn Leu Ser Phe Leu Glu Ile Gly Phe Asn Leu Val Ile Ala			
65	70	75	80
Pro Asn Met Leu Trp Thr Leu Leu Ala Gln Asp Thr Thr Ile Ser Phe			
85	90	95	
Leu Gly Cys Ala Thr Xaa Met Tyr Phe Val Phe Phe Gly Val Ala			
100	105	110	
Glu Cys Leu Leu Ala Thr Met Ala Tyr Asp Arg Tyr Val Ala Ile			
115	120	125	
Cys Ser Pro Leu His Tyr Pro Val Ile Met Asn Gln Arg Thr Leu Ala			
130	135	140	
Lys Leu Ala Ala Thr Ser Trp Phe Pro Gly Phe Pro Val Ala Thr Val			
145	150	155	160
Gln Thr Thr Trp Leu Phe Ser Phe Pro Phe Cys Gly Thr Asn Lys Val			
165	170	175	
Asn His Phe Phe Cys Asp Ser Pro Pro Val Leu Arg Leu Val Cys Ala			
180	185	190	
Asp Thr Ala Leu Phe Glu Ile Tyr Ala Ile Val Gly Thr Ile Leu Val			
195	200	205	
Val Met Ile Pro Cys Leu Leu Ile Leu Cys Ser Tyr Thr His Ile Ala			
210	215	220	
Ala Ala Ile Leu Lys Ile Pro Ser Ala Lys Gly Lys Asn Lys Ala Phe			
225	230	235	240
Ser Thr Cys Ser Ser His Leu Leu Val Val Ser Leu Phe Tyr Ile Ser			
245	250	255	
Leu Ser Leu Thr Tyr Phe Arg Pro Lys Ser Asn Asn Ser Pro Glu Gly			
260	265	270	
Lys Lys Leu Leu Ser Leu Ser Tyr Thr Val Met Thr Pro Met Leu Asn			
275	280	285	
Pro Ile Ile Tyr Ser Leu Arg Asn Asn Glu Val Lys Asn Ala Leu Ser			
290	295	300	
Arg Thr Val Ser Lys Ala Leu Gly Pro Gln Lys Leu			
305	310	315	

<210> 1768

<211> 324
 <212> PRT
 <213> Unknown (H38g686 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(324)
 <223> Xaa = Any Amino Acid

<400> 1768
 Met Ala Val Glu Asn Asp Ser Ser Val Thr Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Thr Asp Gln Pro Glu Ile Xaa Leu Pro Leu Phe Phe Leu Phe Leu
 20 25 30
 Val Asn Tyr Met Thr Thr Met Val Gly Asn Leu Ser Leu Ile Asn Leu
 35 40 45
 Ile Cys Leu Asn Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Phe
 50 55 60
 Asn Leu Ser Phe Ile Asp Leu Cys Tyr Ser Phe Val Phe Thr Pro Lys
 65 70 75 80
 Met Leu Met Ser Phe Ile Ser Glu Arg Asn Ile Ile Ser Phe Pro Gly
 85 90 95
 Cys Val Thr Gln Leu Phe Phe Cys Phe Phe Val His Ser Glu Cys
 100 105 110
 Tyr Val Leu Thr Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys
 115 120 125
 Pro Leu Leu Tyr Met Val Thr Thr Ser Pro Gln Ile Cys Ser Leu Leu
 130 135 140
 Met Leu Gly Ser Tyr Val Met Gly Phe Ala Gly Ala Met Val His Thr
 145 150 155 160
 Glu Cys Met Met Lys Leu Ile Phe Cys Asp Ser Asn Val Ile Asn His
 165 170 175
 Tyr Met Cys Asp Ile Phe Pro Leu Leu Gln Leu Ser Cys Ser Ser Thr
 180 185 190
 Xaa Ala Asn Glu Leu Val Met Ser Val Ile Val Gly Thr Val Val Ile
 195 200 205
 Val Ser Ser Leu Ile Ile Leu Ile Ser Tyr Ala Leu Ile Leu Phe Asn
 210 215 220
 Ile Leu His Met Ser Ser Ala Glu Gly Trp Phe Lys Ala Ile Gly Thr
 225 230 235 240
 Cys Gly Ser His Ile Ile Thr Val Gly Leu Phe Tyr Glu Phe Gly Leu
 245 250 255
 Ile Thr His Val Lys Leu Ser Ser Asp Trp Tyr Met Gly Gln Gly Lys
 260 265 270
 Phe Leu Ser Val Phe Tyr Thr Asn Glu Val Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Leu Ala Leu Lys Glu Thr
 290 295 300
 Leu Asn Lys Ile Thr Asn Xaa Val Glu Pro Met Val Leu Pro Xaa Pro
 305 310 315 320
 Leu Ser Asn Cys

<210> 1769
 <211> 331
 <212> PRT
 <213> Unknown (H38g687 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(331)

<223> Xaa = Any Amino Acid

<400> 1769

Met	Arg	Xaa	Ile	Asn	Gln	Thr	Gln	Val	Ile	Glu	Phe	Leu	Leu	Leu	Gly
1									10						15
Leu	Ser	Asp	Gly	Pro	His	Thr	Glu	Gln	Leu	Leu	Phe	Ile	Val	Leu	Leu
									20			25			30
Gly	Val	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Leu	Leu	Leu	Ile	Ser	Leu
									35			40			45
Val	His	Val	Asp	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys
									50			55			60
Asn	Leu	Ser	Leu	Ala	Asp	Leu	Tyr	Phe	Ser	Thr	Asn	Ile	Leu	Pro	Gln
65									70			75			80
Ala	Leu	Val	His	Leu	Leu	Ser	Ile	Asn	Asn	Leu	Ile	Ala	Phe	Thr	Leu
									85			90			95
Ser	Leu	Thr	Gln	Leu	Leu	Phe	Phe	Leu	Ile	Phe	Gly	Cys	Thr	Gln	Cys
									100			105			110
Ala	Leu	Ile	Ala	Val	Met	Ser	Tyr	Asn	Pro	Tyr	Val	Ala	Ile	Cys	Asn
									115			120			125
Pro	Leu	His	Tyr	Pro	Asn	Ile	Met	Thr	Trp	Lys	Val	Cys	Val	Gln	Leu
									130			135			140
Ala	Thr	Gly	Ser	Trp	Thr	Ser	Gly	Ile	Leu	Val	Ser	Val	Val	Asp	Thr
145									145			150			160
Thr	Phe	Thr	Leu	Arg	Leu	Pro	Tyr	Arg	Gly	Ser	Asn	Ser	Ile	Ala	His
									165			170			175
Phe	Phe	Cys	Glu	Ala	Pro	Ala	Leu	Leu	Ile	Leu	Ala	Ser	Thr	Asp	Thr
									180			185			190
His	Ala	Ser	Glu	Met	Ala	Ile	Tyr	Leu	Thr	Gly	Val	Val	Ile	Leu	Leu
									195			200			205
Ile	Pro	Val	Phe	Leu	Ile	Leu	Val	Ser	Tyr	Gly	Arg	Ile	Ile	Val	Thr
									210			215			220
Val	Val	Lys	Met	Lys	Ser	Thr	Val	Gly	Ser	Leu	Lys	Ala	Phe	Ser	Thr
									225			230			240
Cys	Gly	Ser	His	Leu	Met	Val	Val	Ile	Leu	Leu	Asn	Gly	Ser	Ala	Ile
									245			250			255
Leu	Thr	Cys	Met	Thr	Pro	Lys	Ser	Ser	Lys	Gln	Gln	Xaa	Lys	Ser	Val
									260			265			270
Ser	Val	Phe	Tyr	Ala	Ile	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr
									275			280			285
Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ala	Ala	Leu	Arg	Lys	Val	Ala	Thr
									290			295			300
Arg	Asn	Phe	Pro	Xaa	Arg	Leu	Gly	Ile	His	Thr	Asp	Ser	Glu	Leu	Arg
									305			310			315
Glu	Pro	Phe	Gly	Phe	Leu	Leu	Pro	Lys	Thr	Cys					320
									325			330			

<210> 1770

<211> 183

<212> PRT

<213> Unknown (H38g688 protein)

<220>

<223> Synthetic construct

<400> 1770

Met	Glu	Lys	Ser	Asn	Asn	Ser	Thr	Leu	Phe	Ile	Leu	Leu	Gly	Phe	Ser
1								5			10			15	

Gln Asn Lys Asn Ile Glu Val Leu Cys Phe Val Leu Phe Leu Phe Cys
 20 25 30
 Tyr Ile Ala Ile Trp Met Gly Asn Leu Leu Ile Met Ile Ser Ile Thr
 35 40 45
 Cys Thr Gln Leu Ile His Gln Pro Met Tyr Phe Phe Leu Asn Tyr Leu
 50 55 60
 Ser Leu Ser Asp Leu Cys Tyr Thr Ser Thr Val Thr Pro Lys Leu Met
 65 70 75 80
 Val Asp Leu Leu Ala Glu Arg Lys Thr Ile Ser Tyr Asn Asn Cys Met
 85 90 95
 Ile Gln Leu Phe Thr Thr His Phe Phe Gly Gly Ile Glu Ile Phe Ile
 100 105 110
 Leu Thr Gly Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 His Tyr Thr Ile Ile Met Ser Arg Gln Lys Cys Asn Thr Ile Ile Ile
 130 135 140
 Val Cys Trp Thr Gly Gly Phe Ile His Ser Ala Ser Gln Phe Leu Leu
 145 150 155 160
 Thr Ile Ser Val Pro Phe Cys Gly Pro Asn Asp Ile Asp His Tyr Ser
 165 170 175
 Arg Asp Val Tyr Pro Leu Leu
 180

<210> 1771

<211> 224

<212> PRT

<213> Unknown (H38g689 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(224)

<223> Xaa = Any Amino Acid

<400> 1771

Leu Pro Asp Ile Gly Phe Thr Ser Thr Thr Val Pro Lys Met Ser Val
 1 5 10 15
 Asp Ile Gln Ser His Ser Arg Val Ile Ser Tyr Ala Gly Cys Leu Thr
 20 25 30
 Gln Met Ser Leu Phe Ala Ile Phe Gly Gly Met Glu Glu Arg His Ala
 35 40 45
 Pro Glu Val Met Ala Tyr Asp Leu Phe Val Ala Ile Cys His Leu Leu
 50 55 60
 Tyr Arg Ser Ala Ile Leu Asn Pro Phe Val Arg Gly Phe Leu Asp Leu
 65 70 75 80
 Leu Ser Leu Leu Val Phe Phe Phe Phe Leu Ile Ser Leu Leu Asp
 85 90 95
 Ser Gln Leu His Asn Leu Ile Ala Leu Gln Met Thr Cys Phe Lys Asp
 100 105 110
 Val Glu Ile Pro Asn Phe Phe Trp Glu Pro Ser Gln Leu Pro His Leu
 115 120 125
 Ala Cys Cys Asp Thr Phe Thr Arg Asn Asn Asn Met Tyr Phe Pro Ala
 130 135 140
 Ala Val Phe Gly Phe Leu Pro Ile Ser Gly Thr Leu Phe Ser Tyr Cys
 145 150 155 160
 Lys Ile Val Ser Ser Ile Leu Arg Val Ser Ser Ser Gly Gly Lys Tyr
 165 170 175
 Lys Pro Ser Ser Thr Cys Gly Ser His Leu Ser Val Val Cys Xaa Phe
 180 185 190
 Tyr Gly Ala Gly Val Gly Tyr Leu Gly Ser Asp Val Ser Ser Phe

195	200	205
Pro Arg Lys Gly Ala Val Ala Ser Val Thr Tyr Tyr	Thr Val Val Thr	
210	215	220

<210> 1772
 <211> 215
 <212> PRT
 <213> Unknown (H38g690 protein)

<220>
 <223> Synthetic construct

<400> 1772

Met Asp Val Arg Leu Ile Cys Thr Thr Val Pro Lys Met Ala Phe Asn			
1	5	10	15
Tyr Leu Ser Gly Ser Lys Ser Ile Ser Met Ala Gly Cys Ala Thr Gln			
20	25	30	
Ile Phe Phe Cys Val Ser Leu Leu Gly Ser Glu Cys Phe Leu Leu Ala			
35	40	45	
Val Met Ser Tyr Asp Cys Tyr Ile Ala Ile Cys His Pro Leu Arg Tyr			
50	55	60	
Thr Asn Leu Met Arg Pro Lys Ile Cys Arg Leu Met Thr Ala Phe Ser			
65	70	75	80
Trp Ile Leu Gly Ser Thr Asp Gly Ile Ile Tyr Ala Val Ala Thr Phe			
85	90	95	
Ser Phe Ser Tyr Cys Gly Ser Arg Glu Ile Ala His Phe Phe Cys Glu			
100	105	110	
Leu Pro Ser Leu Leu Ile Leu Ser Cys Asn Asp Thr Ser Ile Phe Glu			
115	120	125	
Lys Val Ile Phe Ile Cys Ser Ile Val Met Leu Val Phe Pro Val Ala			
130	135	140	
Ile Ile Ile Ala Ser Tyr Ala Gly Val Ile Leu Ala Val Ile His Met			
145	150	155	160
Gly Ser Gly Glu Gly Arg Arg Lys Ala Phe Thr Thr Cys Ser Ser His			
165	170	175	
Leu Met Val Val Gly Met Phe Tyr Gly Ala Gly Leu Phe Met Tyr Ile			
180	185	190	
Gln Pro Thr Ser Asp Arg Ser Pro Thr Gln Asp Lys Leu Val Ser Val			
195	200	205	
Phe Tyr Thr Ile Leu Thr Pro			
210	215		

<210> 1773
 <211> 127
 <212> PRT
 <213> Unknown (H38g691 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(127)
 <223> Xaa = Any Amino Acid

<400> 1773

Asn Leu Leu Pro Val Trp Thr Pro Gly Ser Arg Val Pro Ser Xaa Ser			
1	5	10	15
Gln Ile Ser Val Ser Glu Lys Gln Gly Met Ser Phe Pro Lys Lys Leu			
20	25	30	
Phe Gln Asn His Lys Leu Phe Leu Leu Phe Ala Gly Met Asn Val Phe			
35	40	45	

Leu Gln Thr Val Met Ala Tyr Asp His Phe Val Ala Ile Cys His Pro
 50 55 60
 Leu His Tyr Arg Val Ile Met Asn Pro Gly Ile Phe Gly Leu Trp Val
 65 70 75 80
 Leu Val Ser Trp Ser Met Ser Ala Leu Asn Ser Ser Leu Gln Ser Arg
 85 90 95
 Met Val Leu Gln Leu Ser Phe Cys Thr Asn Leu Glu Ile Pro His Ile
 100 105 110
 Phe Phe Cys Glu Leu Asn Gln Leu Ile Leu Leu Ala Cys Ser Asn
 115 120 125

<210> 1774

<211> 216

<212> PRT

<213> Unknown (H38g692 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(216)

<223> Xaa = Any Amino Acid

<400> 1774

Phe Val Asp Phe Cys Tyr Ser Thr Thr Ile Thr Pro Lys Leu Leu Glu
 1 5 10 15
 Asn Leu Val Val Glu Asp Arg Thr Ile Ser Phe Thr Gly Cys Ile Met
 20 25 30
 Gln Leu Phe Phe Val Cys Ile Phe Val Val Thr Glu Thr Phe Met Leu
 35 40 45
 Ala Val Met Ala Tyr Asp Arg Tyr Val Ala Val Cys Asn Pro Leu Leu
 50 55 60
 Tyr Thr Val Ala Met Tyr Gln Arg Leu Cys Ser Leu Leu Val Ala Thr
 65 70 75 80
 Ser Tyr Cys Trp Gly Ile Val Cys Ser Leu Thr Leu Thr Xaa Phe Leu
 85 90 95
 Leu Glu Leu Ser Phe Arg Gly Asn Asn Ile Ile Asn Asn Phe Val Cys
 100 105 110
 Glu His Ala Ala Val Val Ala Val Ser Trp Ser Asp Pro Cys Val Ser
 115 120 125
 Gln Glu Ile Thr Leu Val Ser Ala Thr Phe Asn Glu Ile Ser Gly Leu
 130 135 140
 Val Ile Ile Leu Thr Pro Tyr Ala Phe Ile Phe Ile Thr Val Met Lys
 145 150 155 160
 Thr Pro Ser Thr Gly Gly Arg Lys Lys Ala Phe Ser Thr Ser Ala Ser
 165 170 175
 His Leu Thr Ala Ile Thr Ile Phe His Gly Thr Ile Leu Phe Leu Tyr
 180 185 190
 Cys Val Pro Asn Ser Lys Ser Ser Trp Leu Met Val Lys Val Ala Ser
 195 200 205
 Val Leu Tyr Thr Val Val Ile Pro
 210 215

<210> 1775

<211> 215

<212> PRT

<213> Unknown (H38g693 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(215)

<223> Xaa = Any Amino Acid

<400> 1775

Leu	Pro	Asp	Ile	Gly	Phe	Thr	Leu	Ala	Thr	Val	Pro	Lys	Met	Ile	Val			
1																		
														10	15			
Asp	Met	Gln	Ser	His	Ser	Arg	Ile	Ile	Ser	His	Ala	Gly	Cys	Leu	Thr			
														20	25	30		
Gln	Ile	Pro	Phe	Phe	Val	Leu	Phe	Val	Cys	Ile	Asp	Asp	Met	Leu	Leu			
														35	40	45		
Thr	Val	Met	Ala	Tyr	Asp	Xaa	Phe	Val	Ala	Ile	Cys	His	Pro	Leu	His			
															50	55	60	
Tyr	Pro	Val	Ile	Met	Asn	Pro	His	Leu	Cys	Val	Phe	Leu	Val	Leu	Met			
															65	70	75	80
Ser	Ile	Phe	Leu	Ser	Leu	Leu	Asp	Ser	Xaa	Leu	His	Asn	Ser	Val	Leu			
															85	90	95	
Leu	Gln	Phe	Thr	Cys	Phe	Lys	Asn	Val	Glu	Ile	Ser	Asn	Phe	Phe	Cys			
															100	105	110	
Asp	Xaa	Ser	Gln	Leu	Leu	Asn	Leu	Ala	Cys	Ser	Asp	Phe	Ile	Ser	Asn			
															115	120	125	
Ile	Phe	Ile	Arg	Leu	Asp	Ser	Thr	Ile	Phe	Gly	Phe	Leu	Pro	Ile	Ser			
															130	135	140	
Gly	Ile	Leu	Leu	Ser	Tyr	Tyr	Lys	Ile	Val	Pro	Ser	Ile	Leu	Arg	Ile			
															145	150	155	160
Pro	Leu	Ser	Asp	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His			
															165	170	175	
Leu	Ala	Ile	Val	Cys	Leu	Phe	Tyr	Gly	Thr	Gly	Ile	Gly	Met	Tyr	Leu			
															180	185	190	
Thr	Ser	Ala	Val	Ser	Pro	Ala	Pro	Arg	Asn	Gly	Val	Val	Ala	Ser	Val			
															195	200	205	
Leu	Tyr	Ala	Met	Val	Thr	Pro												
															210	215		

<210> 1776

<211> 217

<212> PRT

<213> Unknown (H38g694 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(217)

<223> Xaa = Any Amino Acid

<400> 1776

Leu	Pro	Asp	Ile	Gly	Phe	Thr	Pro	Thr	Thr	Val	Pro	Lys	Met	Ile	Val			
1															1	5	10	15
Asp	Ile	Gln	Ser	His	Ser	Arg	Val	Ile	Tyr	Ala	Gly	Cys	Leu	Thr	Val			
															20	25	30	
Met	Ser	Leu	Phe	Ala	Ile	Phe	Gly	Gly	Met	Glu	Glu	Thr	Leu	Leu	Leu			
															35	40	45	
Asn	Val	Met	Ala	Tyr	Val	Arg	Phe	Val	Ala	Ile	Cys	His	Pro	Leu	Tyr			
															50	55	60	
His	Ser	Ala	Ile	Met	Asn	Pro	Cys	Phe	Cys	Gly	Phe	Leu	Leu	Leu	Leu			
															65	70	75	80
Ser	Phe	Phe	Phe	Leu	Gly	Leu	Leu	Asp	Ala	Gln	Leu	His	Asn	Met	Ile			
															85	90	95	
Ala	Leu	Gln	Met	Thr	Cys	Phe	Lys	Asp	Val	Glu	Ile	Pro	Asn	Phe	Phe			
															100	105	110	

Cys Asp Pro Ser Gln Leu Pro His Leu Ala Cys Cys Asp Thr Phe Thr
 115 120 125
 Asn Asn Ile Ile Met Tyr Phe Pro Ala Ala Ile Phe Gly Phe Leu Pro
 130 135 140
 Ile Ser Gly Thr Leu Phe Ser Tyr Tyr Glu Ile Val Ser Ser Ile Leu
 145 150 155 160
 Arg Val Ser Ser Xaa Gly Gly Lys Tyr Lys Ala Phe Ala Thr Cys Gly
 165 170 175
 Ser His Leu Ser Val Val Cys Xaa Phe Tyr Gly Thr Gly Val Gly Gly
 180 185 190
 Tyr Leu Ser Ser Asp Val Ser Ser Pro Arg Lys Thr Ala Val Ala
 195 200 205
 Ser Val Met Tyr Ala Val Val Thr Pro
 210 215

<210> 1777

<211> 230

<212> PRT

<213> Unknown (H38g695 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(230)

<223> Xaa = Any Amino Acid

<400> 1777

Leu Pro Asp Ile Gly Phe Thr Ser Thr Thr Val Ala Lys Met Ile Val
 1 5 10 15
 Asp Ile Gln Ser His Ser Arg Val Ile Ser Tyr Ala Gly Cys Leu Thr
 20 25 30
 Gln Met Ser Leu Phe Ala Ile Phe Gly Gly Met Glu Glu Ser Met Leu
 35 40 45
 Leu Ser Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys His Pro Leu
 50 55 60
 Tyr Arg Ser Ala Ile Leu Ser Arg Asp Ser Val Pro Ser Xaa Ile Cys
 65 70 75 80
 Cys Leu Cys Phe Val Leu Phe Cys Phe Val Leu Phe Cys Phe Val Phe
 85 90 95
 Leu Ser Leu Leu Asp Ser Gln Leu His Asn Leu Ile Ala Leu Gln Met
 100 105 110
 Thr Cys Phe Lys Asp Val Glu Ile Pro Asn Phe Leu Trp Glu Pro Ser
 115 120 125
 Gln Leu Pro His Leu Ala Cys Cys Asp Thr Phe Thr Arg Asn Ile Asn
 130 135 140
 Met Tyr Phe Pro Ala Ala Val Phe Gly Phe Leu Pro Ile Ser Gly Pro
 145 150 155 160
 Phe Leu Leu Gln Trp Ser Lys Ile Val Ser Ser Thr Leu Arg Val Ser
 165 170 175
 Ser Ser Gly Gly Lys Tyr Lys Ala Phe Ser Thr Cys Gly Ser His Leu
 180 185 190
 Ser Val Val Cys Xaa Phe Cys Gly Thr Gly Val Gly Gly Tyr Leu Gly
 195 200 205
 Ser Asp Val Ser Ser Ser Pro Arg Lys Ser Ala Val Ala Ser Val Met
 210 215 220
 Tyr Thr Val Val Thr Pro
 225 230

<210> 1778

<211> 313

<212> PRT

<213> Unknown (H38g696 protein)

<220>

<223> Synthetic construct

<400> 1778

Met	Leu	Ala	Arg	Asn	Asn	Ser	Leu	Val	Thr	Glu	Phe	Ile	Leu	Ala	Gly	
1									10					15		
Leu	Thr	Asp	Arg	Pro	Glu	Phe	Arg	Gln	Pro	Leu	Phe	Phe	Leu			
									20		25			30		
Val	Ile	Tyr	Ile	Val	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Ile	Thr	Leu	
									35		40			45		
Phe	Gly	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Phe	
									50		55			60		
Asn	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Phe	Thr	Pro	Lys	
									65		70			75		80
Met	Leu	Met	Asn	Phe	Val	Ser	Lys	Lys	Asn	Ile	Ile	Ser	Asn	Val	Gly	
									85		90			95		
Cys	Met	Thr	Arg	Leu	Phe	Phe	Leu	Phe	Phe	Val	Ile	Ser	Glu	Cys		
									100		105			110		
Tyr	Met	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	
									115		120			125		
Pro	Leu	Leu	Tyr	Lys	Val	Thr	Met	Ser	His	Gln	Val	Cys	Ser	Met	Leu	
									130		135			140		
Thr	Phe	Ala	Ala	Tyr	Ile	Met	Gly	Leu	Ala	Gly	Ala	Thr	Ala	His	Thr	
									145		150			155		160
Gly	Cys	Met	Leu	Arg	Leu	Thr	Phe	Cys	Ser	Ala	Asn	Ile	Ile	Asn	His	
									165		170			175		
Tyr	Leu	Cys	Asp	Ile	Leu	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Ser	Thr	
									180		185			190		
Tyr	Val	Asn	Glu	Val	Val	Val	Leu	Ile	Val	Val	Gly	Thr	Asn	Ile	Thr	
									195		200			205		
Val	Pro	Ser	Cys	Thr	Ile	Leu	Ile	Ser	Tyr	Val	Phe	Ile	Val	Thr	Ser	
									210		215			220		
Ile	Leu	His	Ile	Lys	Ser	Thr	Gln	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	
									225		230			235		240
Cys	Ser	Ser	His	Val	Ile	Ala	Leu	Ser	Leu	Phe	Phe	Gly	Ser	Ala	Ala	
									245		250			255		
Phe	Met	Tyr	Ile	Lys	Tyr	Ser	Ser	Gly	Ser	Met	Glu	Gln	Gly	Lys	Val	
									260		265			270		
Ser	Ser	Val	Phe	Tyr	Thr	Asn	Val	Val	Pro	Met	Leu	Asn	Pro	Leu	Ile	
									275		280			285		
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Arg	Lys	Ala	Leu	
									290		295			300		
Ile	Lys	Ile	Gln	Arg	Arg	Asn	Ile	Phe								
									305		310					

<210> 1779

<211> 308

<212> PRT

<213> Unknown (H38g697 protein)

<220>

<223> Synthetic construct

<400> 1779

Met	Thr	Met	Glu	Asn	Tyr	Ser	Met	Ala	Ala	Gln	Phe	Val	Leu	Asp	Gly
1								5		10			15		
Leu	Thr	Gln	Gln	Ala	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu
									20		25			30	

Gly Ile Tyr Val Val Thr Val Val Gly Asn Leu Gly Met Ile Leu Leu
 35 40 45
 Ile Ala Val Ser Pro Leu Leu His Thr Pro Met Tyr Tyr Phe Leu Ser
 50 55 60
 Ser Leu Ser Phe Val Asp Phe Cys Tyr Ser Ser Val Ile Thr Pro Lys
 65 70 75 80
 Met Leu Val Asn Phe Leu Gly Lys Lys Asn Thr Ile Leu Tyr Ser Glu
 85 90 95
 Cys Met Val Gln Leu Phe Phe Val Val Phe Val Val Ala Glu Gly
 100 105 110
 Tyr Leu Leu Thr Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Ser
 115 120 125
 Pro Leu Leu Tyr Asn Ala Ile Met Ser Ser Trp Val Cys Ser Leu Leu
 130 135 140
 Val Leu Ala Ala Phe Phe Leu Gly Phe Leu Ser Ala Leu Thr His Thr
 145 150 155 160
 Ser Ala Met Met Lys Leu Ser Phe Cys Lys Ser His Ile Ile Asn His
 165 170 175
 Tyr Phe Cys Asp Val Leu Pro Leu Leu Asn Leu Ser Cys Ser Asn Thr
 180 185 190
 His Leu Asn Glu Leu Leu Leu Phe Ile Ile Ala Gly Phe Asn Thr Leu
 195 200 205
 Val Pro Thr Leu Ala Val Ala Val Ser Tyr Ala Phe Ile Leu Tyr Ser
 210 215 220
 Ile Leu His Ile Arg Ser Ser Glu Gly Arg Ser Lys Ala Phe Gly Thr
 225 230 235 240
 Cys Ser Ser His Leu Met Ala Val Val Ile Phe Phe Gly Ser Ile Thr
 245 250 255
 Phe Met Tyr Phe Lys Pro Pro Ser Ser Asn Ser Leu Asp Gln Glu Lys
 260 265 270
 Val Ser Ser Val Phe Tyr Thr Thr Val Ile Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Lys Ala Leu Arg Lys Val
 290 295 300
 Leu Val Gly Lys
 305

<210> 1780

<211> 328

<212> PRT

<213> Unknown (H38g698 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(328)

<223> Xaa = Any Amino Acid

<400> 1780

Met Ala Pro Gly Asn Gly Ser Phe Val Thr Glu Phe Ile Leu Ala Gly
 1 5 10 15
 Leu Thr His Gln Pro Asp Leu Gln Ser Pro Leu Phe Phe Leu Phe Leu
 20 25 30
 Val Ile Tyr Val Val Thr Leu Leu Gly Asn Leu Gly Leu Val Thr Leu
 35 40 45
 Ile Gly Leu Asn Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Phe
 50 55 60
 Asn Leu Ser Phe Ile Asp Leu Cys Tyr Ser Ser Val Phe Thr Pro Lys
 65 70 75 80
 Met Leu Met Asn Phe Ile Ser Glu Lys Asn Ile Ile Ser Phe Lys Gly

85	90	95
Cys Met Thr Gln Leu Phe Phe Leu Phe Phe Leu Val Ile Ser Glu		
100	105	110
Cys Tyr Val Leu Thr Ser Met Ala Tyr Asp Arg Val Ala Ile Cys Asn		
115	120	125
Pro Leu Leu Tyr His Ile Ala Met Ser Pro Thr Val Cys Ser Ser Leu		
130	135	140
Met Phe Gly Ser Tyr Leu Met Ala Phe Ser Gly Ala Met Ala His Thr		
145	150	155
Gly Cys Met Leu Arg Leu Thr Phe Cys Asp Ala Asn Thr Ile Asp His		
165	170	175
Tyr Phe Cys Asp Ile Leu Pro Leu Leu Gln Leu Ser Cys Thr Ser Thr		
180	185	190
Tyr Ile Asn Glu Leu Val Val Phe Thr Val Val Gly Ile Asn Ile Ile		
195	200	205
Val Pro Thr Val Thr Ile Phe Ile Ser Tyr Gly Phe Ile Leu Ser Ser		
210	215	220
Ile Leu His Ile Ser Ser Lys Glu Gly Arg Ser Lys Ala Phe Ser Thr		
225	230	235
Cys Ser Ser His Ile Ile Ala Val Ser Leu Phe Phe Gly Ser Gly Ala		
245	250	255
Phe Met Tyr Leu Asn Pro Ser Ser Ala Gly Ser Met Asp Lys Arg Lys		
260	265	270
Leu Ser Ser Val Phe Tyr Thr Asn Val Val Pro Met Leu Asn Pro Leu		
275	280	285
Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Phe Ala Leu Arg Lys Ala		
290	295	300
Leu Ser Ser Arg Lys Leu Xaa Xaa Val Ile Val Cys Val Cys Val Tyr		
305	310	315
Ser His Lys Thr Gly Ile Phe Cys		
325		

<210> 1781

<211> 314

<212> PRT

<213> Unknown (H38g699 protein)

<220>

<223> Synthetic construct

<400> 1781

Met Lys Pro Gly Asn Glu Thr Gln Ile Ser Gln Phe Leu Leu Leu Gly			
1	5	10	15
Leu Ser Glu Glu Pro Glu Leu Gln Pro Phe Leu Phe Gly Leu Phe Leu			
20	25	30	
Ser Met Tyr Leu Val Thr Val Leu Gly Asn Leu Leu Ile Ile Leu Ala			
35	40	45	
Thr Ile Ser Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser			
50	55	60	
Asn Leu Ser Phe Ala Asp Ile Cys Phe Val Ser Thr Thr Val Pro Lys			
65	70	75	80
Met Leu Val Asn Ile Gln Thr Gln Ser Arg Val Ile Thr Tyr Ala Asp			
85	90	95	
Cys Ile Thr Gln Met Cys Phe Phe Ile Leu Phe Val Val Leu Asp Ser			
100	105	110	
Leu Leu Leu Thr Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys His			
115	120	125	
Pro Leu His Tyr Thr Val Ile Met Asn Ser Trp Leu Cys Gly Leu Leu			
130	135	140	
Val Leu Val Ser Trp Ile Val Ser Ile Leu Tyr Ser Leu Leu Gln Ser			
145	150	155	160

Ile Met Ala Leu Gln Leu Ser Phe Cys Thr Glu Leu Lys Ile Pro His
 165 170 175
 Phe Phe Cys Glu Leu Asn Gln Val Ile His Leu Ala Cys Ser Asp Thr
 180 185 190
 Phe Ile Asn Asp Met Met Asn Phe Thr Ser Val Leu Leu Gly Gly
 195 200 205
 Gly Cys Leu Ala Gly Ile Leu Tyr Thr Tyr Phe Lys Ile Leu Cys Cys
 210 215 220
 Ile Cys Ser Ile Ser Ser Ala Gln Gly Met Asn Lys Ala Leu Ser Thr
 225 230 235 240
 Cys Ala Ser His Leu Ser Val Val Ser Leu Phe Tyr Cys Thr Gly Val
 245 250 255
 Gly Val Tyr Leu Ser Ser Ala Ala Thr His Asn Ser Leu Ser Asn Ala
 260 265 270
 Ala Ala Ser Val Met Tyr Thr Val Val Thr Ser Met Leu Asn Pro Phe
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Ile Asn Arg Ala Leu Asn Arg Phe
 290 295 300
 Phe Arg Glu Gln Lys Gln Glu Gly His Phe
 305 310

<210> 1782

<211> 324

<212> PRT

<213> Unknown (H38g700 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(324)

<223> Xaa = Any Amino Acid

<400> 1782

His Thr Glu Pro Arg Asn Leu Thr Gly Val Xaa Glu Phe Leu Leu Leu
 1 5 10 15
 Gly Leu Ser Glu Asp Pro Glu Leu Gln Ser Val Leu Ala Leu Leu Ser
 20 25 30
 Leu Ser Leu Ser Leu Asn Leu Val Thr Val Leu Arg Asn Leu Leu Ser
 35 40 45
 Ile Leu Ala Val Ser Ser Asp Ser Pro Leu His Thr Pro Met Tyr Phe
 50 55 60
 Phe Leu Ser Asn Leu Cys Trp Ala Asp Ile Gly Leu Thr Ser Ala Thr
 65 70 75 80
 Val Pro Lys Val Ile Leu Asp Met Gln Ser His Ser Arg Val Ile Ser
 85 90 95
 His Val Gly Cys Leu Thr Gln Met Ser Phe Leu Val Leu Phe Ala Cys
 100 105 110
 Ile Glu Gly Met Leu Leu Thr Val Met Ala Tyr Gly Cys Phe Val Ala
 115 120 125
 Ile Cys Arg Pro Leu His Tyr Pro Val Ile Val Asn Pro His Leu Cys
 130 135 140
 Val Phe Phe Val Leu Val Ser Phe Phe Leu Asn Leu Leu Asp Ser Gln
 145 150 155 160
 Leu His Ser Trp Ile Val Leu Gln Phe Thr Ile Ile Lys Asn Val Glu
 165 170 175
 Ile Ser Asn Phe Phe Cys Asp Pro Ser Gln Leu Leu Asn Leu Ala Cys
 180 185 190
 Ser Asp Ser Val Ile Asn Ser Ile Phe Ile Tyr Phe Asp Ser Thr Met
 195 200 205
 Phe Gly Phe Leu Pro Ile Ser Gly Ile Leu Leu Ser Tyr Tyr Lys Ile

210	215	220
Val Pro Ser Ile Leu Arg Met Ser Ser Ser Asp	Gly Lys Tyr Lys Ala	
225	230	235
Phe Ser Thr Tyr Gly Ser His Leu Gly Val Val	Cys Trp Phe Tyr Gly	240
245	250	255
Thr Val Ile Gly Met Tyr Leu Ala Ser Ala Val	Ser Pro Pro Pro Arg	
260	265	270
Asn Gly Val Val Ala Ser Val Met Xaa Ala Val Val	Thr Pro Met Leu	
275	280	285
Asn Leu Phe Ile Tyr Ser Leu Arg Asn Arg Asp	Ile Gln Ser Ala Leu	
290	295	300
Arg Arg Leu Arg Ser Arg Thr Val Glu Ser Pro	Xaa Ser Val Pro Ser	
305	310	315
Phe Phe Leu Cys		320

<210> 1783

<211> 339

<212> PRT

<213> Unknown (H38g701 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(339)

<223> Xaa = Any Amino Acid

<400> 1783

Pro Ile Glu Gln Gly Asn Tyr Thr Arg Val Lys Glu Phe Phe Phe Gln			
1	5	10	15
Gly Leu Thr Gln Ser Gln Glu Leu Ser Leu Val Leu Phe Leu Phe Leu			
20	25	30	
Phe Phe Val Tyr Ser Ala Thr Val Leu Gly Asn Leu Leu Ile Met Val			
35	40	45	
Val Val Thr Cys Glu Ser Arg Leu His Thr Pro Thr Tyr Phe Leu Leu			
50	55	60	
Cys Asn Leu Ser Val Leu Val Ile Cys Phe Ser Ser Ile Thr Ala Arg			
65	70	75	80
Lys Val Leu Ile Asp Leu Ser Ser Arg Lys Thr Ile Ser Phe Asn Gly			
85	90	95	
Cys Met Thr Gln Met Phe Phe His Leu Leu Gly Gly Thr Asp Val			
100	105	110	
Phe Ser Leu Phe Val Met Ala Phe Asp Gln Tyr Met Ala Ile Phe Lys			
115	120	125	
Pro Leu His Cys Val Thr Ile Val Ser Arg Gly Gln Cys Ile Pro Tyr			
130	135	140	
Ile Val Ser Arg Gly Arg Glu Xaa Gly Ala Gly Leu Ile Met Ala Ser			
145	150	155	160
Trp Val Gly Gly Phe Val His Ser Ile Val Gln Val Phe Leu Leu			
165	170	175	
Pro Leu Pro Phe Cys Gly His His Met Ile Asp Gly Phe Tyr Cys Asp			
180	185	190	
Val Pro Gln Val Leu Lys Leu Ala Cys Thr His Thr Phe Ala Leu Glu			
195	200	205	
Val Leu Met Ile Ser Asn Asn Gly Leu Ile Ser Met Leu Trp Phe Ile			
210	215	220	
Phe Leu Leu Ile Ser Tyr Thr Val Ile Leu Met Met Leu Arg Ser His			
225	230	235	240
Thr Glu Glu Gly Arg Arg Lys Ala Ile Ala Thr Cys Thr Ser His Ile			
245	250	255	

Thr Val Val Thr Leu His Phe Val Pro Cys Ile Tyr Val His Ala Gln
 260 265 270
 Pro Phe Thr Ala Leu Pro Thr Asp Arg Ala Val Ser Ile Thr Phe Thr
 275 280 285
 Val Ile Ile Pro Val Leu Asn Pro Met Ile Tyr Thr Leu Arg Asn Gln
 290 295 300
 Glu Met Lys Ser Ala Leu Arg Arg Arg Lys Lys Arg Pro Ser Gly Lys
 305 310 315 320
 Gly Xaa Met Leu Arg Ser Pro Asp Trp Lys Ile Arg Thr Glu Lys Tyr
 325 330 335
 Phe Phe Ile

<210> 1784

<211> 335

<212> PRT

<213> Unknown (H38g702 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(335)

<223> Xaa = Any Amino Acid

<400> 1784

Ser Thr Tyr Pro Gln Asn Leu Thr Asp Val Ser Leu Phe Leu Leu Leu
 1 5 10 15
 Gly Ser Ser Glu Asp Pro Glu Gln Gln Pro Val Leu Ala Gly Leu Phe
 20 25 30
 Leu Ser Met Cys Leu Val Thr Val Leu Gly Asn Leu Leu Ile Ile Leu
 35 40 45
 Ala Val Ser Pro Asp Ser His Leu His Thr Pro Met Tyr Leu Phe Leu
 50 55 60
 Ser Asn Leu Ser Leu Pro Asp Ile Gly Phe Thr Ser Ser Met Val Pro
 65 70 75 80
 Lys Met Ile Val Asp Ile Xaa Ser His Ser Arg Leu Ile Ser Xaa Ala
 85 90 95
 Gly Cys Leu Thr Pro Met Ser Leu Phe Ala Ile Phe Gly Gly Met Glu
 100 105 110
 Glu Asn Met Leu Leu Ser Val Ile Ala Tyr Asp Pro Phe Val Ala Ile
 115 120 125
 Cys His Pro Leu Tyr His Ser Ala Ile Met Asn Pro Cys Phe Cys Gly
 130 135 140
 Phe Leu Val Leu Leu Ser Phe Phe Ser Gln Ser Leu Leu Asp Ala Gln
 145 150 155 160
 Val His Asn Leu Ile Ala Leu Gln Met Thr Cys Phe Lys Asp Val Glu
 165 170 175
 Ile Pro Asn Phe Phe Trp Glu Pro Ser Gln Leu Pro His Leu Ala Cys
 180 185 190
 Cys Asp Thr Phe Thr Asn Asn Ile Ile Met Tyr Ser Pro Ala Ala Ile
 195 200 205
 Phe Gly Phe Leu Pro Ile Ser Gly Thr Leu Phe Ser Tyr Tyr Lys Ile
 210 215 220
 Val Ser Ser Ile Leu Arg Val Ser Ser Ser Gly Gly Lys Tyr Lys Ala
 225 230 235 240
 Cys Ser Thr Cys Gly Ser His Leu Ser Val Val Cys Xaa Phe Tyr Gly
 245 250 255
 Thr Gly Phe Trp Gly Tyr Leu Ser Ser Asp Val Ser Ser Ser Pro Gly
 260 265 270
 Lys Ala Ala Val Ala Ser Val Met Tyr Thr Val Val Thr Pro Met Pro

275	280	285	
Asn Pro Phe Ile Tyr Ser	Leu Arg Asn Arg Asp	Ile Lys Ser Val Leu	
290	295	300	
Arg Arg Pro His Gly Ser	Thr Val Xaa Cys Gln	Tyr Leu Leu Ile Cys	
305	310	315	320
Ser Met Pro Phe Val Val Trp	Val Lys Lys Gly Ser	Lys Val Lys	
325	330	335	

<210> 1785
<211> 315
<212> PRT
<213> Unknown (H38g703 protein)

<220>
<223> Synthetic construct

<221> VARIANT
<222> (1)...(315)
<223> Xaa = Any Amino Acid

<400> 1785

Met Lys Asn Cys Thr Arg Val Lys Glu Phe Ile Phe Leu Gly Leu Thr			
1	5	10	15
Gln Asn Gly Asp Thr Arg Leu Val Leu Phe Leu Leu Leu Val			
20	25	30	
Tyr Met Thr Thr Leu Leu Gly Asn Leu Leu Ile Met Val Thr Val Thr			
35	40	45	
Cys Glu Ser Cys Leu His Met Pro Met Tyr Phe Leu Leu His Asn Leu			
50	55	60	
Ser Ile Ala Asp Ile Cys Phe Tyr Ser Ile Thr Glu Pro Lys Val Leu			
65	70	75	80
Val Asp Leu Leu Ser Glu Arg Lys Thr Ile Ser Phe Asn Gly Cys Phe			
85	90	95	
Thr Gln Met Phe Leu Phe His Leu Ile Gly Gly Val Asp Ala Phe Ser			
100	105	110	
Leu Ser Val Met Ala Leu Asp Gln Tyr Val Ala Ile Ser Lys Ser Leu			
115	120	125	
His Tyr Ala Thr Ile Met Ser Arg Asp Arg Cys Ile Gly Leu Thr Val			
130	135	140	
Ala Ala Trp Leu Gly Gly Phe Val His Ser Ile Val Gln Ile Thr Leu			
145	150	155	160
Leu Leu Pro Leu Pro Phe Cys Gly Pro Asn Val Leu Asp Thr Phe Tyr			
165	170	175	
Cys Asp Val Pro Gln Val Leu Lys Leu Ala His Thr Asp Ile Phe Ile			
180	185	190	
Leu Glu Leu Leu Met Ile Ser Asn Asn Gly Leu Leu Thr Thr Leu Trp			
195	200	205	
Phe Phe Leu Leu Leu Val Ser Tyr Met Val Ile Leu Ser Leu Leu Lys			
210	215	220	
Ser Gln Ala Gly Xaa Gly Arg Arg Lys Val Ile Ser Thr Cys Thr Ser			
225	230	235	240
His Ile Thr Val Val Thr Leu His Phe Val Pro Cys Ile Tyr Val Tyr			
245	250	255	
Ala Arg Pro Phe Thr Ala Leu Pro Thr Asp Lys Ala Ile Ser Val Thr			
260	265	270	
Phe Thr Val Ile Ser Pro Leu Leu Asn Pro Leu Ile Tyr Thr Leu Arg			
275	280	285	
Asn His Glu Met Lys Ser Thr Met Lys Arg Arg Arg Leu Xaa Pro Ser			
290	295	300	
Asp Arg Lys Xaa Thr Ser Ala Ser Leu Leu Leu			
305	310	315	

<210> 1786
 <211> 321
 <212> PRT
 <213> Unknown (H38g704 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(321)
 <223> Xaa = Any Amino Acid

<400> 1786

His	Thr	Glu	Pro	Arg	Asn	Leu	Thr	Gly	Val	Xaa	Lys	Val	Leu	Leu	Gly
1															
										10				15	
Ser	Leu	Xaa	Glu	Asp	Pro	Glu	Leu	Gln	Pro	Ile	Leu	Ala	Gly	Leu	Ser
										20			25		30
Leu	Ser	Met	Tyr	Leu	Val	Thr	Val	Leu	Arg	Asn	Val	Leu	Ile	Ile	Leu
										35			40		45
Ala	Val	Ser	Ser	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
										50			55		60
Ser	Ser	Leu	Cys	Trp	Ala	Asp	Ile	Gly	Phe	Thr	Ser	Ala	Thr	Val	Pro
										65			70		80
Lys	Met	Thr	Val	Asp	Met	Gln	Ser	His	Ser	Arg	Val	Ile	Ser	Tyr	Val
										85			90		95
Ser	Cys	Leu	Thr	Gln	Ile	Ser	Phe	Leu	Val	Leu	Phe	Ala	Cys	Met	Glu
										100			105		110
Asp	Met	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Val	Val	Ala	Ile	Cys	His
										115			120		125
Pro	Leu	His	Tyr	Pro	Val	Ile	Met	Asn	Pro	His	Leu	Arg	Val	Phe	Leu
										130			135		140
Val	Leu	Leu	Ser	Phe	Phe	Leu	Ser	Leu	Leu	Asp	Ser	Gln	Leu	His	Ser
										145			150		160
Trp	Ile	Val	Leu	Gln	Phe	Thr	Leu	Phe	Lys	Asn	Val	Glu	Asn	Ser	Ser
										165			170		175
Phe	Val	Cys	Asp	Pro	Ser	Gln	Leu	Leu	Asn	Leu	Ala	Cys	Ser	Asp	Ser
										180			185		190
Val	Ile	Asn	Ser	Ile	Phe	Ile	Tyr	Phe	Asp	Ser	Thr	Met	Phe	Gly	Phe
										195			200		205
Leu	Pro	Ile	Ser	Gly	Ile	Leu	Leu	Ser	Tyr	Tyr	Lys	Ile	Val	Pro	Ser
										210			215		220
Ile	Leu	Arg	Met	Ser	Ser	Asp	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr	
										225			230		240
Tyr	Gly	Ser	Gln	Leu	Ala	Ala	Leu	Cys	Xaa	Phe	Tyr	Gly	Thr	Gly	Ile
										245			250		255
Gly	Met	Tyr	Leu	Thr	Ser	Ala	Val	Ala	Leu	Pro	Pro	Arg	Asn	Gly	Val
										260			265		270
Val	Ala	Ser	Val	Met	Xaa	Ala	Val	Val	Thr	Pro	Met	Leu	Asn	Phe	Phe
										275			280		285
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Gln	Ser	Ala	Leu	Arg	Arg	Leu
										290			295		300
Arg	Ser	Arg	Thr	Val	Glu	Ser	Pro	Xaa	Ser	Val	Pro	Ser	Phe	Phe	Leu
										305			310		315
Cys															320

<210> 1787
 <211> 318
 <212> PRT
 <213> Unknown (H38g705 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(318)

<223> Xaa = Any Amino Acid

<400> 1787

Lys	Gln	Gln	Glu	Asn	Gly	Thr	Cys	Leu	Val	Thr	Glu	Phe	Leu	Met	Met
1			5						10					15	
Gly	Phe	Ser	Asn	Leu	Pro	His	Leu	Arg	Asn	Thr	Leu	Phe	Thr	Leu	Phe
										20		25		30	
Phe	Leu	Thr	Tyr	Leu	Val	Thr	Leu	Gly	Gly	Asn	Val	Thr	Ile	Ile	Thr
									35		40		45		
Ile	Thr	His	Ala	Asp	Arg	Ser	Arg	His	Thr	Pro	Met	Tyr	His	Phe	Leu
									50		55		60		
Val	Val	Leu	Ser	Leu	Ser	Glu	Thr	Val	Leu	Tyr	Thr	Leu	Val	Thr	Ile
	65					70				75			80		
Pro	Ser	Met	Leu	Ala	His	Leu	Leu	Met	Glu	Thr	Arg	Pro	Ile	Ser	Ile
									85		90		95		
Pro	Gly	Cys	Gln	Ala	Gln	Met	Phe	Phe	Leu	Gly	Leu	Gly	Cys	Ser	
							100		105			110			
His	Cys	Phe	Leu	Leu	Thr	Leu	Met	Gly	Tyr	Asp	Arg	Tyr	Val	Ala	Ile
							115		120			125			
Cys	His	Pro	Leu	Arg	Tyr	Ser	Met	Val	Met	Arg	Pro	Thr	Val	Cys	Leu
							130		135			140			
Cys	Leu	Gly	Ala	Leu	Val	Phe	Cys	Ser	Gly	Phe	Ser	Val	Ala	Leu	Ile
	145					150				155			160		
Glu	Thr	Ser	Met	Ile	Phe	Ser	Ser	Pro	Phe	Cys	Gly	Gly	Asp	His	Val
							165			170			175		
Glu	His	Phe	Phe	Cys	Asp	Ile	Ala	Pro	Val	Leu	Lys	Leu	Ser	Cys	Ala
						180			185			190			
Lys	Ser	Ala	Ser	Lys	Ala	Leu	Gly	Ile	Phe	Phe	Leu	Ser	Val	Leu	Val
						195			200			205			
Val	Leu	Met	Ser	Phe	Val	Pro	Ile	Leu	Phe	Ser	Tyr	Ala	Phe	Ile	Val
						210			215			220			
Ala	Ala	Ile	Val	Arg	Ile	Ser	Leu	Ala	Ala	Gly	Arg	Arg	Lys	Ala	Phe
	225					230				235			240		
Ser	Thr	Cys	Val	Ala	His	Val	Thr	Val	Val	Val	Val	His	Phe	Asp	Cys
						245			250			255			
Ala	Ser	Ile	Ile	Tyr	Leu	Arg	Pro	Glu	Ser	Gly	Ala	Asn	Pro	Asp	Gln
						260			265			270			
Asp	Arg	Leu	Val	Ala	Val	Phe	Tyr	Thr	Val	Val	Met	Pro	Leu	Leu	Asn
						275			280			285			
Pro	Val	Val	Cys	Thr	Leu	Trp	Asn	Lys	Glu	Val	Arg	Val	Ala	Leu	Arg
						290			295			300			
Arg	Thr	Leu	Ala	Trp	Ser	Arg	Gly	Val	Phe	Lys	Xaa	Glu	Ser		
						305			310			315			

<210> 1788

<211> 112

<212> PRT

<213> Unknown (H38g706 protein)

<220>

<223> Synthetic construct

<400> 1788

Leu	Leu	Asp	His	Phe	Ile	Cys	Glu	Leu	Pro	Ala	Leu	Leu	Lys	Leu	Ala
1				5					10				15		

Cys Gly Gly Asp Gly Asp Thr Thr Glu Asn Gln Met Phe Ala Ala Arg
 20 25 30
 Val Val Ile Leu Leu Leu Pro Phe Ala Val Ile Leu Ala Ser Tyr Gly
 35 40 45
 Ala Val Ala Arg Ala Val Cys Cys Met Arg Phe Ser Gly Gly Arg Arg
 50 55 60
 Arg Ala Val Gly Thr Cys Gly Ser His Leu Thr Ala Val Cys Leu Phe
 65 70 75 80
 Tyr Gly Ser Ala Ile Tyr Thr Tyr Leu Gln Pro Ala Gln Arg Tyr Asn
 85 90 95
 Gln His Gly Asn Arg Phe Val Ser Leu Phe Tyr Thr Val Val Thr Pro
 100 105 110

<210> 1789

<211> 313

<212> PRT

<213> Unknown (H38g707 protein)

<220>

<223> Synthetic construct

<400> 1789

Met Asp Gln Arg Asn Tyr Thr Arg Val Lys Glu Phe Thr Phe Leu Gly
 1 5 10 15
 Ile Thr Gln Ser Arg Glu Leu Ser Gln Val Leu Phe Thr Phe Leu Phe
 20 25 30
 Leu Val Tyr Met Thr Thr Leu Met Gly Asn Phe Leu Ile Met Val Thr
 35 40 45
 Val Thr Cys Glu Ser His Leu His Thr Pro Met Tyr Phe Leu Leu Arg
 50 55 60
 Asn Leu Ser Ile Leu Asp Ile Cys Phe Ser Ser Ile Thr Ala Pro Lys
 65 70 75 80
 Val Leu Ile Asp Leu Leu Ser Glu Thr Lys Thr Ile Ser Phe Ser Gly
 85 90 95
 Cys Val Thr Gln Met Phe Phe His Leu Leu Gly Gly Ala Asp Val
 100 105 110
 Phe Ser Leu Ser Val Met Ala Phe Asp Arg Tyr Ile Ala Ile Ser Lys
 115 120 125
 Pro Leu His Tyr Met Thr Ile Met Ser Arg Gly Arg Cys Thr Gly Leu
 130 135 140
 Ile Val Gly Phe Leu Gly Gly Leu Val His Ser Ile Ala Gln Ile
 145 150 155 160
 Ser Leu Leu Leu Pro Leu Pro Val Cys Gly Pro Asn Val Leu Asp Thr
 165 170 175
 Phe Tyr Cys Asp Val Pro Gln Val Leu Lys Leu Ala Cys Thr Asp Thr
 180 185 190
 Phe Thr Leu Glu Leu Leu Met Ile Ser Asn Asn Gly Leu Val Ser Trp
 195 200 205
 Phe Val Phe Phe Leu Leu Ile Ser Tyr Thr Val Ile Leu Met Met
 210 215 220
 Leu Arg Ser His Thr Gly Glu Gly Arg Arg Lys Ala Ile Ser Thr Cys
 225 230 235 240
 Thr Ser His Ile Thr Val Val Thr Leu His Phe Val Pro Cys Ile Tyr
 245 250 255
 Val Tyr Ala Arg Pro Phe Thr Ala Leu Pro Thr Asp Thr Ala Ile Ser
 260 265 270
 Val Thr Phe Thr Val Ile Ser Pro Leu Leu Asn Pro Ile Ile Tyr Thr
 275 280 285
 Leu Arg Asn Gln Glu Met Lys Leu Ala Met Arg Lys Leu Lys Arg Arg
 290 295 300
 Leu Gly Gln Ser Glu Arg Ile Leu Ile

305

310

<210> 1790
 <211> 162
 <212> PRT
 <213> Unknown (H38g708 protein)

<220>
 <223> Synthetic construct

<400> 1790

Val	Ala	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Pro	Val	Met	Met	Ser	Asn	Lys
1						5			10					15	
Leu	Ser	Ala	Gln	Leu	Leu	Ser	Ile	Ser	Tyr	Val	Ile	Gly	Phe	Leu	His
							20		25					30	
Pro	Leu	Val	His	Val	Ser	Leu	Leu	Leu	Arg	Leu	Thr	Phe	Cys	Arg	Phe
						35			40				45		
Asn	Ile	Ile	His	Tyr	Phe	Tyr	Cys	Glu	Ile	Leu	Gln	Leu	Phe	Lys	Ile
						50			55			60			
Ser	Cys	Asn	Gly	Pro	Ser	Ile	Asn	Ala	Leu	Ile	Ile	Phe	Ile	Phe	Gly
65						70				75			80		
Ala	Phe	Ile	Gln	Ile	Pro	Thr	Leu	Met	Thr	Ile	Ile	Ile	Ser	Tyr	Thr
						85			90				95		
Arg	Val	Leu	Phe	Asp	Ile	Leu	Lys	Lys	Ser	Glu	Lys	Gly	Arg	Ser	
						100			105			110			
Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Tyr
						115			120			125			
Tyr	Gly	Thr	Leu	Ile	Phe	Met	Tyr	Val	Arg	Pro	Ala	Ser	Gly	Leu	Ala
						130			135			140			
Glu	Asp	Gln	Asp	Lys	Val	Tyr	Ser	Leu	Phe	Tyr	Thr	Ile	Ile	Ile	Pro
						145			150			155			160
Leu	Leu														

<210> 1791
 <211> 258
 <212> PRT
 <213> Unknown (H38g709 protein)

<220>
 <223> Synthetic construct

<400> 1791

Met	Tyr	Tyr	Phe	Leu	Cys	His	Leu	Ala	Leu	Val	Asp	Ala	Gly	Phe	Thr
1							5			10			15		
Thr	Ser	Val	Val	Pro	Pro	Leu	Leu	Ala	Asn	Leu	Arg	Gly	Pro	Ala	Leu
							20			25			30		
Trp	Leu	Pro	Arg	Ser	His	Cys	Thr	Ala	Gln	Leu	Cys	Ala	Ser	Leu	Ala
						35			40			45			
Leu	Gly	Ser	Ala	Glu	Cys	Val	Leu	Leu	Ala	Val	Met	Ala	Leu	Asp	Arg
						50			55			60			
Ala	Ala	Ala	Val	Cys	Arg	Pro	Leu	Arg	Tyr	Ala	Gly	Leu	Val	Ser	Pro
						65			70			75			80
Arg	Leu	Cys	Arg	Thr	Leu	Ala	Ser	Ala	Ser	Trp	Leu	Ser	Gly	Leu	Thr
						85			90			95			
Asn	Ser	Val	Ala	Gln	Thr	Ala	Leu	Ala	Glu	Arg	Pro	Leu	Cys	Ala	
						100			105			110			
Pro	Arg	Leu	Leu	Asp	His	Phe	Ile	Cys	Glu	Leu	Pro	Ala	Leu	Lys	
						115			120			125			
Leu	Ala	Cys	Gly	Gly	Asp	Gly	Asp	Thr	Thr	Glu	Asn	Gln	Met	Phe	Ala
						130			135			140			

Ala Arg Val Val Ile Leu Leu Leu Pro Phe Ala Val Ile Leu Ala Ser
 145 150 155 160
 Tyr Gly Ala Val Ala Arg Ala Val Cys Cys Met Arg Phe Ser Gly Gly
 165 170 175
 Arg Arg Arg Ala Val Gly Thr Cys Gly Ser His Leu Thr Ala Val Cys
 180 185 190
 Leu Phe Tyr Gly Ser Ala Ile Tyr Thr Tyr Leu Gln Pro Ala Gln Arg
 195 200 205
 Tyr Asn Gln Ala Arg Gly Lys Phe Val Ser Leu Phe Tyr Thr Val Val
 210 215 220
 Thr Pro Ala Leu Asn Pro Leu Ile Tyr Thr Leu Arg Asn Lys Lys Val
 225 230 235 240
 Lys Gly Ala Ala Arg Arg Leu Leu Arg Ser Leu Gly Arg Gly Gln Ala
 245 250 255
 Gly Gln

<210> 1792

<211> 316

<212> PRT

<213> Unknown (H38g710 protein)

<220>

<223> Synthetic construct

<400> 1792

Met Gln Arg Ala Asn His Ser Thr Val Thr Gln Phe Ile Leu Val Gly
 1 5 10 15
 Phe Ser Val Phe Pro His Leu Gln Leu Met Leu Phe Leu Leu Phe Leu
 20 25 30
 Leu Met Tyr Leu Phe Thr Leu Leu Gly Asn Leu Leu Ile Met Ala Thr
 35 40 45
 Val Trp Ser Glu Arg Ser Leu His Thr Pro Met Tyr Leu Phe Leu Cys
 50 55 60
 Ala Leu Ser Val Ser Glu Ile Leu Tyr Thr Val Ala Ile Ile Pro Arg
 65 70 75 80
 Met Leu Ala Asp Leu Leu Ser Thr Gln Arg Ser Ile Ala Phe Leu Ala
 85 90 95
 Cys Ala Ser Gln Met Phe Phe Ser Phe Ser Phe Gly Phe Thr His Ser
 100 105 110
 Phe Leu Leu Thr Val Met Gly Tyr Asp Arg Tyr Val Ala Ile Cys His
 115 120 125
 Pro Leu Arg Tyr Asn Val Leu Met Ser Pro Arg Gly Cys Ala Cys Leu
 130 135 140
 Val Gly Cys Ser Trp Ala Gly Gly Leu Val Met Gly Met Val Val Thr
 145 150 155 160
 Ser Ala Ile Phe His Leu Ala Phe Cys Gly His Lys Glu Ile His His
 165 170 175
 Phe Ala Cys His Val Pro Pro Leu Leu Lys Leu Ala Cys Gly Asp Asp
 180 185 190
 Val Leu Val Val Ala Lys Gly Val Gly Leu Val Cys Ile Thr Ala Leu
 195 200 205
 Leu Gly Cys Phe Leu Leu Ile Leu Leu Ser Tyr Ala Phe Ile Val Ala
 210 215 220
 Ala Ile Leu Lys Ile Pro Ser Ala Glu Gly Arg Asn Lys Ala Phe Ser
 225 230 235 240
 Thr Cys Ala Ser His Leu Thr Val Val Val His Tyr Gly Phe Ala
 245 250 255
 Ser Val Ile Tyr Leu Lys Pro Lys Ser Pro Gln Ser Leu Glu Gly Asp
 260 265 270
 Thr Leu Met Gly Ile Thr Tyr Thr Val Leu Thr Pro Phe Leu Ser Pro

275	280	285
Ile Ile Phe Ser Leu Arg Asn Lys	Glu Leu Lys Val	Ala Met Lys Lys
290	295	300
Thr Phe Phe Ser Lys Leu Tyr Pro Glu Lys Asn Val		
305	310	315

<210> 1793
 <211> 225
 <212> PRT
 <213> Unknown (H38g711 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(225)
 <223> Xaa = Any Amino Acid

<400> 1793

Leu Pro Asp Ile Gly Phe Thr Ser Thr Thr Val Pro Lys Met Ile Val			
1	5	10	15
Asp Ile Gln Ser His Ser Arg Val Leu Ser Tyr Ala Gly Cys Leu Ile			
20	25	30	
Arg Cys Leu Ser Leu Pro Leu Leu Glu Ala Trp Lys Arg Gly Met Leu			
35	40	45	
Leu Ser Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys His Pro Leu			
50	55	60	
Tyr Arg Ser Ala Ile Leu Asn Pro Xaa Phe Cys Gly Phe Leu Asp Leu			
65	70	75	80
Leu Ser Phe Phe Leu Phe Val Cys Phe Val Phe Leu Ser Leu Leu			
85	90	95	
Asp Ser Gln Leu His Asn Leu Ile Ala Leu Gln Met Thr Cys Ser Lys			
100	105	110	
Asp Val Glu Ile Pro Asn Phe Phe Trp Glu Pro Ser Gln Leu Pro His			
115	120	125	
Leu Ala Cys Cys Asp Thr Phe Thr Arg Asn Ile Asn Met Tyr Phe Pro			
130	135	140	
Ala Ala Val Phe Gly Phe Leu Pro Ile Ser Gly Thr Phe Tyr Ser Tyr			
145	150	155	160
Cys Lys Ile Leu Ser Ser Ile Leu Arg Val Ser Ser Ser Gly Gly Lys			
165	170	175	
Tyr Lys Ala Phe Ser Thr Cys Gly Ser His Leu Ser Val Val Cys Xaa			
180	185	190	
Phe Tyr Gly Thr Gly Val Gly Gly Tyr Leu Gly Ser Asp Val Ser Ser			
195	200	205	
Ser Pro Arg Lys Ser Ala Val Ala Ser Val Met Tyr Thr Val Val Thr			
210	215	220	

Pro
 225

<210> 1794
 <211> 218
 <212> PRT
 <213> Unknown (H38g712 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(218)
 <223> Xaa = Any Amino Acid

<400> 1794

Leu Pro Asp Ile Gly Phe Thr Ser Thr Met Val Pro Lys Met Ile Val
 1 5 10 15
 Asp Ile Gln Ser His Ser Arg Val Ile Ser Tyr Ala Gly Arg Leu Thr
 20 25 30
 Gln Met Ser Leu Phe Ala Ile Phe Gly Gly Met Glu Glu Ser Met Leu
 35 40 45
 Leu Ser Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys His Pro Leu
 50 55 60
 Cys His Ser Ala Ile Thr Asn Pro Cys Phe Cys Gly Phe Leu Val Leu
 65 70 75 80
 Leu Ser Phe Phe Leu Ser Pro Leu Asp Ala Gln Leu His Asn Leu
 85 90 95
 Ile Ala Leu Gln Arg Thr Cys Phe Lys Asp Val Glu Ile Pro Asn Phe
 100 105 110
 Phe Cys Asp Pro Ser Gln Phe Pro Arg Leu Ala Cys Cys Gly Thr Phe
 115 120 125
 Thr Asn Asn Ile Ile Met Tyr Phe Pro Ala Ala Ile Phe Gly Phe Leu
 130 135 140
 Pro Ile Ser Gly Thr Leu Phe Ser Tyr Asp Lys Ile Val Phe Ser Ile
 145 150 155 160
 Leu Arg Val Ser Ser Gly Gly Lys His Lys Ala Phe Ser Thr Arg
 165 170 175
 Gly Ser His Leu Ser Val Val Cys Xaa Phe Tyr Gly Thr Gly Val Gly
 180 185 190
 Glu Tyr Leu Gly Ser Asp Val Ser Ser Ser Pro Arg Lys Gly Ala Val
 195 200 205
 Ala Ser Val Met Tyr Thr Val Val Thr Pro
 210 215

<210> 1795

<211> 216

<212> PRT

<213> Unknown (H38g713 protein)

<220>

<223> Synthetic construct

<400> 1795

Leu Val Asp Phe Gly Tyr Ser Ser Ala Val Thr Pro Lys Val Met Ala
 1 5 10 15
 Gly Phe Leu Ile Glu Asp Lys Val Ile Ser Tyr Asn Ala Cys Ala Ala
 20 25 30
 Gln Met Tyr Ile Phe Val Ala Phe Ala Thr Val Glu Asn Tyr Leu Leu
 35 40 45
 Ala Ser Met Ala Tyr Asp Arg Tyr Ala Ala Val Cys Lys Pro Leu His
 50 55 60
 Tyr Thr Thr Thr Met Thr Thr Val Cys Ala Arg Leu Ala Ile Gly
 65 70 75 80
 Ser Tyr Leu Cys Gly Phe Leu Asn Ala Ser Ile His Thr Gly Asp Thr
 85 90 95
 Phe Ser Leu Ser Phe Cys Lys Ser Asn Glu Val His His Phe Phe Cys
 100 105 110
 Asp Ile Pro Ala Val Met Val Leu Ser Cys Ser Asp Arg His Ile Ser
 115 120 125
 Glu Leu Val Leu Ile Tyr Val Val Ser Phe Asn Ile Phe Ile Ala Leu
 130 135 140
 Leu Val Ile Leu Ile Ser Tyr Thr Phe Ile Phe Ile Thr Ile Leu Lys
 145 150 155 160
 Met His Ser Ala Ser Val Tyr Gln Lys Pro Leu Ser Thr Cys Ala Ser

165	170	175
His Phe Ile Ala Val Gly Ile Phe Tyr	Gly Thr Ile Ile Phe Met Tyr	
180	185	190
Leu Gln Pro Ser Ser Ser His Ser Met Asp Thr Asp Lys Met Ala Pro		
195	200	205
Val Phe Tyr Thr Met Val Ile Pro		
210	215	

<210> 1796

<211> 215

<212> PRT

<213> Unknown (H38g714 protein)

<220>

<223> Synthetic construct

<400> 1796

Ile Val Asp Ile Ser Tyr Ala Ser Asn Tyr Val Pro Lys Met Leu Thr			
1	5	10	15
Asn Leu Met Asn Gln Glu Ser Thr Ile Ser Phe Phe Pro Cys Ile Met			
20	25	30	
Gln Thr Phe Leu Tyr Leu Ala Phe Ala His Val Glu Cys Leu Ile Leu			
35	40	45	
Val Val Met Ser Tyr Asp Arg Tyr Ala Asp Ile Cys His Pro Leu Arg			
50	55	60	
Tyr Asn Ile Leu Met Ser Trp Arg Val Cys Thr Val Leu Ala Val Ala			
65	70	75	80
Ser Trp Val Phe Ser Phe Leu Leu Ala Leu Val Pro Leu Val Leu Ile			
85	90	95	
Leu Arg Leu Pro Phe Cys Gly Pro His Glu Ile Asn His Phe Cys Glu			
100	105	110	
Ile Leu Ser Val Leu Lys Leu Ala Cys Ala Asp Thr Trp Leu Asn Gln			
115	120	125	
Val Val Ile Phe Ala Ala Cys Val Phe Ile Leu Val Gly Pro Leu Cys			
130	135	140	
Leu Val Leu Val Ser Tyr Leu Arg Ile Leu Ala Ala Ile Leu Arg Ile			
145	150	155	160
Gln Ser Gly Glu Gly Arg Arg Lys Ala Phe Ser Thr Cys Ser Ser His			
165	170	175	
Leu Cys Val Val Gly Leu Phe Phe Gly Ser Ala Ile Val Thr Tyr Met			
180	185	190	
Ala Pro Lys Ser Arg His Pro Glu Glu Gln Gln Lys Val Leu Ser Leu			
195	200	205	
Phe Tyr Ser Leu Phe Asn Pro			
210	215		

<210> 1797

<211> 162

<212> PRT

<213> Unknown (H38g715 protein)

<220>

<223> Synthetic construct

<400> 1797

Val Ala Ile Cys Lys Pro Leu His Tyr Val Val Ile Met Asn Asn Arg			
1	5	10	15
Val Cys Thr Leu Leu Val Leu Cys Cys Trp Val Ala Gly Leu Met Ile			
20	25	30	
Ile Val Pro Pro Leu Ser Leu Gly Leu Gln Leu Glu Phe Cys Asp Ser			
35	40	45	

Asn Ala Ile Asp His Phe Ser Cys Asp Ala Gly Pro Leu Leu Lys Ile
 50 55 60
 Ser Cys Ser Asp Thr Trp Val Ile Glu Gln Met Val Ile Leu Met Ala
 65 70 75 80
 Val Phe Ala Leu Ile Ile Thr Pro Val Cys Val Ile Leu Ser Tyr Leu
 85 90 95
 Tyr Ile Val Arg Thr Ile Leu Lys Phe Pro Ser Val Gln Gln Arg Lys
 100 105 110
 Lys Ala Phe Ser Thr Cys Ser Ser His Met Ile Val Val Ser Ile Ala
 115 120 125
 Tyr Gly Ser Cys Ile Phe Ile Tyr Ile Lys Pro Ser Ala Lys Asp Glu
 130 135 140
 Val Ala Ile Asn Lys Gly Val Ser Val Leu Thr Thr Ser Val Ala Pro
 145 150 155 160
 Leu Leu

<210> 1798

<211> 224

<212> PRT

<213> Unknown (H38g716 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(224)

<223> Xaa = Any Amino Acid

<400> 1798

Leu Pro Asp Ile Gly Phe Thr Ser Thr Thr Val Pro Lys Met Ile Val
 1 5 10 15
 Asp Ile Gln Ser His Ser Arg Val Ile Ser Tyr Ala Gly Cys Leu Thr
 20 25 30
 Gln Met Ser Leu Phe Ala Ile Phe Gly Gly Met Glu Glu Asn Met Leu
 35 40 45
 Leu Ser Val Met Ala Tyr Asp Gln Phe Val Ala Ile Cys His Pro Pro
 50 55 60
 Tyr Arg Ser Ala Ile Leu Asn Pro Cys Phe Cys Gly Phe Gln Asp Leu
 65 70 75 80
 Leu Ser Leu Tyr Phe Phe Leu Phe Phe Ser Phe Phe Leu Arg Leu Leu
 85 90 95
 Asp Ser Gln Leu His Asn Leu Ile Ala Leu Gln Met Thr Cys Phe Lys
 100 105 110
 Asp Val Glu Ile Ser Asn Val Phe Trp Glu Pro Ser Gln Leu Ser His
 115 120 125
 Leu Ala Cys Cys Asp Thr Phe Thr Arg Asn Ile Met Tyr Phe Pro Ala
 130 135 140
 Ala Ile Phe Gly Phe Leu Pro Ile Leu Gly Thr Leu Phe Ser Tyr Cys
 145 150 155 160
 Lys Ile Val Ser Ser Ile Leu Arg Val Ser Ser Ser Gly Gly Lys Tyr
 165 170 175
 Lys Ala Phe Ser Thr Cys Gly Ser His Leu Ser Val Val Cys Xaa Phe
 180 185 190
 Tyr Gly Thr Gly Val Gly Gly Tyr Leu Ser Ser Asp Val Ser Ser Ser
 195 200 205
 Leu Arg Lys Ala Ala Val Ala Ser Val Met Tyr Lys Met Val Thr Pro
 210 215 220

<210> 1799

<211> 218

<212> PRT
 <213> Unknown (H38g717 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(218)
 <223> Xaa = Any Amino Acid

<400> 1799

Leu	Ala	Asp	Ile	Gly	Phe	Thr	Ser	Asn	Thr	Val	Pro	Lys	Met	Ile	Val
1														15	
Asp	Ile	Gln	Ser	His	Ser	Arg	Val	Ile	Ser	Tyr	Ala	Gly	Cys	Leu	Thr
														20	30
Gln	Met	Ser	Leu	Phe	Ala	Val	Phe	Gly	Gly	Met	Glu	Glu	Ser	Met	Leu
														35	45
Leu	Ser	Val	Arg	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His	Pro	Leu
														50	60
Tyr	Tyr	Ser	Ala	Ile	Met	Asn	Pro	Cys	Phe	Cys	Gly	Phe	Leu	Val	Leu
														65	80
Cys	Phe	Ser	Phe	Phe	Leu	Ser	Leu	Leu	Asp	Ser	Gln	Leu	His	Asn	Leu
														85	95
Ile	Ala	Leu	Gln	Met	Thr	Cys	Ile	Lys	Asp	Val	Glu	Ile	Pro	Asn	Phe
														100	110
Phe	Cys	Asp	Pro	Ser	Gln	Leu	Pro	His	Leu	Ala	Cys	Cys	Asp	Thr	Phe
														115	125
Thr	Ile	Asn	Ile	Val	Met	Tyr	Phe	Pro	Ala	Ala	Ile	Phe	Gly	Phe	Leu
														130	140
Pro	Ile	Ser	Gly	Thr	Leu	Phe	Ser	Tyr	Ser	Lys	Ile	Val	Ser	Ser	Ile
														145	160
Leu	Arg	Val	Ser	Ser	Ser	Gly	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr	Cys
														165	175
Gly	Ser	His	Leu	Ser	Val	Val	Cys	Xaa	Val	Tyr	Gly	Thr	Gly	Val	Gly
														180	190
Gly	Tyr	Leu	Ser	Ser	Asp	Val	Ser	Ser	Ser	Leu	Arg	Lys	Ala	Ala	Val
														195	205
Ala	Ser	Val	Met	Tyr	Thr	Val	Val	Thr	Pro						
														210	215

<210> 1800

<211> 295
 <212> PRT
 <213> Unknown (H38g718 protein)

<220>
 <223> Synthetic construct

<400> 1800

Leu	Ile	Phe	Phe	Leu	Ile	Tyr	Pro	Leu	Ile	Leu	Val	Gly	Asn	Asp	Gln
1														15	
Ile	Leu	Val	Val	Val	Met	Ala	Glu	Ala	Ser	Leu	His	Lys	Pro	Val	Tyr
														20	30
Phe	Phe	Leu	Ile	Asn	Leu	Ser	Ala	Leu	Asp	Ile	Leu	Ser	Thr	Thr	Val
														35	45
Thr	Val	Pro	Lys	Thr	Leu	Pro	Leu	Phe	Leu	Leu	Gly	Asp	His	Phe	Leu
														50	60
Ser	Phe	Pro	Ala	Cys	Phe	Leu	Gln	Met	Tyr	Leu	Phe	His	Ser	Phe	Ser
														65	80
Cys	Ser	Glu	Ala	Phe	Ile	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val
														85	95

Ala Ile Cys His Pro Leu Gln Tyr Pro Val Leu Met Asn Pro Gln Thr
 100 105 110
 Asn Ala Val Leu Ala Thr Gly Ala Trp Leu Thr Ala Leu Leu Pro
 115 120 125
 Ile Pro Ala Val Val Gln Thr Ser Gln Met Ala Phe Asp Ser Ile Ala
 130 135 140
 Asp Ile Tyr His Cys Phe Cys Asp His Leu Ala Val Val Gln Ala Ser
 145 150 155 160
 Cys Ser Asp Thr Ser Pro Gln Thr Phe Met Gly Phe Cys Ile Ala Met
 165 170 175
 Val Val Ser Phe Leu Pro Leu Leu Leu Val Leu Leu Ser Tyr Ala His
 180 185 190
 Ile Leu Thr Ser Val Leu Arg Ile Asn Ser Gln Glu Gly Arg Ser Lys
 195 200 205
 Ala Phe Ser Thr Cys Ser Ser His Leu Pro Val Val Gly Thr Tyr Tyr
 210 215 220
 Ser Ser Ile Ala Ile Ala Tyr Val Ala Tyr Ser Ala Asp Leu Pro Leu
 225 230 235 240
 Asp Phe His Val Met Gly Asn Val Val His Ala Leu Leu Leu Pro Leu
 245 250 255
 Leu Leu Leu Pro Leu Pro Leu Leu Pro Leu Pro Leu Arg Leu Pro
 260 265 270
 Leu Leu Leu Leu Arg Ser Pro Ser Ser Ser Ser Ser Pro Ser
 275 280 285
 Pro Ser Ser Ser Phe Phe Phe
 290 295

<210> 1801

<211> 311

<212> PRT

<213> Unknown (H38g719 protein)

<220>

<223> Synthetic construct

<400> 1801

Met Glu Met Glu Asn Cys Thr Arg Val Lys Glu Phe Ile Phe Leu Gly
 1 5 10 15
 Leu Thr Gln Asn Arg Glu Val Ser Leu Val Leu Phe Leu Phe Leu Leu
 20 25 30
 Leu Val Tyr Val Thr Thr Leu Leu Gly Asn Leu Leu Ile Met Val Thr
 35 40 45
 Val Thr Cys Glu Ser Arg Leu His Thr Pro Met Tyr Phe Leu Leu His
 50 55 60
 Asn Leu Ser Ile Ala Asp Ile Cys Phe Ser Ser Ile Thr Val Pro Lys
 65 70 75 80
 Val Leu Val Asp Leu Leu Ser Glu Arg Lys Thr Ile Ser Phe Asn His
 85 90 95
 Cys Phe Thr Gln Met Phe Leu Phe His Leu Ile Gly Gly Val Asp Val
 100 105 110
 Phe Ser Leu Ser Val Met Ala Leu Asp Arg Tyr Val Ala Ile Ser Lys
 115 120 125
 Pro Leu His Tyr Ala Thr Ile Met Ser Arg Asp Gln Cys Ile Gly Leu
 130 135 140
 Thr Val Ala Ala Trp Leu Gly Gly Phe Val His Ser Ile Val Gln Ile
 145 150 155 160
 Ser Leu Leu Leu Pro Leu Pro Phe Cys Gly Pro Asn Val Leu Asp Thr
 165 170 175
 Phe Tyr Cys Asp Val His Arg Val Leu Lys Leu Ala His Thr Asp Ile
 180 185 190
 Phe Ile Leu Glu Leu Leu Met Ile Ser Asn Asn Gly Leu Leu Thr Thr

195	200	205	
Leu Trp Phe Phe Leu Leu Leu Val Ser Tyr Ile Val Ile Leu Ser Leu			
210	215	220	
Pro Lys Ser Gln Ala Gly Glu Gly Arg Arg Lys Ala Ile Ser Thr Cys			
225	230	235	240
Thr Ser His Ile Thr Val Val Thr Leu His Phe Val Pro Cys Ile Tyr			
245	250	255	
Val Tyr Ala Arg Pro Phe Thr Ala Leu Pro Met Asp Lys Ala Ile Ser			
260	265	270	
Val Thr Phe Thr Val Ile Ser Pro Leu Leu Asn Pro Leu Ile Tyr Thr			
275	280	285	
Leu Arg Asn His Glu Met Lys Ser Ala Met Arg Arg Leu Lys Arg Arg			
290	295	300	
Leu Val Pro Ser Asp Arg Lys			
305	310		

<210> 1802

<211> 299

<212> PRT

<213> Unknown (H38g720 protein)

<220>

<223> Synthetic construct

<400> 1802

Thr Met Gln Gln Asn Asn Ser Val Pro Glu Phe Ile Leu Leu Gly Leu			
1	5	10	15
Thr Gln Asp Pro Leu Arg Gln Lys Ile Val Phe Val Ile Phe Leu Ile			
20	25	30	
Phe Tyr Met Gly Thr Val Val Gly Asn Met Leu Ile Ile Val Thr Ile			
35	40	45	
Lys Ser Ser Arg Thr Leu Gly Ser Pro Met Tyr Phe Phe Leu Phe Tyr			
50	55	60	
Leu Ser Phe Ala Asp Ser Cys Phe Ser Thr Ser Thr Ala Pro Arg Leu			
65	70	75	80
Ile Val Asp Ala Leu Ser Glu Lys Lys Ile Ile Thr Tyr Asn Glu Cys			
85	90	95	
Met Thr Gln Val Phe Ala Leu His Leu Phe Gly Cys Met Glu Ile Phe			
100	105	110	
Val Leu Ile Leu Met Ala Val Asp Arg Tyr Val Ala Ile Cys Lys Pro			
115	120	125	
Leu Arg Tyr Pro Thr Ile Met Ser Gln Gln Val Cys Ile Ile Leu Ile			
130	135	140	
Val Leu Ala Trp Ile Gly Ser Leu Ile His Ser Thr Ala Gln Ile Ile			
145	150	155	160
Leu Ala Leu Arg Leu Pro Phe Cys Gly Pro Tyr Leu Ile Asp His Tyr			
165	170	175	
Cys Cys Asp Leu Gln Pro Leu Leu Lys Leu Ala Cys Met Asp Thr Tyr			
180	185	190	
Met Ile Asn Leu Leu Val Ser Asn Ser Gly Ala Ile Cys Ser Ser			
195	200	205	
Ser Phe Met Ile Leu Ile Ile Ser Tyr Ile Val Ile Leu His Ser Leu			
210	215	220	
Arg Asn His Ser Ala Lys Gly Lys Lys Ala Leu Ser Ala Cys Thr			
225	230	235	240
Ser His Ile Ile Val Val Ile Leu Phe Phe Gly Pro Cys Ile Phe Ile			
245	250	255	
Tyr Thr Arg Pro Pro Thr Thr Phe Pro Met Asp Lys Met Val Ala Val			
260	265	270	
Phe Tyr Thr Ile Gly Thr Pro Phe Leu Asn Pro Leu Ile Tyr Thr Leu			
275	280	285	

Arg Asn Ala Glu Val Lys Asn Ala Met Arg Lys
 290 295

<210> 1803
 <211> 314
 <212> PRT
 <213> Unknown (H38g721 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(314)
 <223> Xaa = Any Amino Acid

<400> 1803
 Met Glu Leu Gly Asn Val Thr Arg Val Lys Glu Phe Ile Phe Leu Gly
 1 5 10 15
 Leu Thr Gln Ser Gln Asp Gln Ser Leu Val Leu Phe Leu Phe Leu Cys
 20 25 30
 Leu Val Tyr Met Thr Thr Leu Leu Gly Asn Leu Leu Ile Met Val Thr
 35 40 45
 Val Thr Cys Glu Ser Arg Leu His Thr Pro Met Tyr Phe Leu Leu Arg
 50 55 60
 Asn Leu Ala Ile Leu Asp Ile Cys Phe Ser Ser Thr Thr Ala Pro Lys
 65 70 75 80
 Val Leu Leu Asp Leu Leu Ser Lys Lys Lys Thr Ile Ser Tyr Thr Ser
 85 90 95
 Cys Met Thr Gln Ile Phe Leu Phe His Leu Leu Gly Gly Ala Asp Ile
 100 105 110
 Phe Ser Leu Ser Val Met Ala Phe Asp Cys Tyr Met Ala Ile Ser Lys
 115 120 125
 Pro Leu His Tyr Val Thr Ile Met Ser Arg Gly Gln Cys Thr Ala Leu
 130 135 140
 Ile Ser Ala Ser Trp Met Gly Gly Phe Val His Ser Ile Val Gln Ile
 145 150 155 160
 Ser Leu Leu Leu Pro Phe Cys Gly Pro Asn Val Leu Asp Thr
 165 170 175
 Phe Tyr Cys Asp Val Pro Gln Val Leu Lys Leu Thr Cys Thr Asp Thr
 180 185 190
 Phe Ala Leu Glu Phe Leu Met Ile Ser Asn Asn Gly Leu Val Thr Thr
 195 200 205
 Leu Trp Phe Ile Phe Leu Leu Val Ser Tyr Thr Val Ile Leu Met Thr
 210 215 220
 Leu Arg Ser Gln Ala Gly Gly Arg Arg Lys Ala Ile Ser Thr Cys
 225 230 235 240
 Thr Ser His Ile Thr Val Val Thr Leu His Phe Val Pro Cys Ile Tyr
 245 250 255
 Val Tyr Ala Arg Pro Phe Thr Ala Leu Pro Thr Glu Lys Ala Ile Ser
 260 265 270
 Val Thr Phe Thr Val Ile Ser Pro Leu Leu Asn Pro Leu Ile Tyr Thr
 275 280 285
 Leu Arg Asn Gln Glu Met Lys Ser Ala Met Arg Arg Leu Lys Arg Arg
 290 295 300
 Leu Val Pro Ser Glu Arg Glu Xaa Lys Thr
 305 310

<210> 1804
 <211> 314
 <212> PRT
 <213> Unknown (H38g722 protein)

<220>

<223> Synthetic construct

<400> 1804

Met Leu Gly Leu Asn His Thr Ser Met Ser Glu Phe Ile Leu Val Gly
 1 5 10 15
 Phe Ser Ala Phe Pro His Leu Gln Leu Met Leu Phe Leu Leu Phe Leu
 20 25 30
 Leu Met Tyr Leu Phe Thr Leu Leu Gly Asn Leu Leu Ile Met Ala Thr
 35 40 45
 Val Trp Ser Glu Arg Ser Leu His Thr Pro Met Tyr Leu Phe Leu Cys
 50 55 60
 Val Leu Ser Val Ser Glu Ile Leu Tyr Thr Val Ala Ile Ile Pro Arg
 65 70 75 80
 Met Leu Ala Asp Leu Leu Ser Thr Gln Arg Ser Ile Ala Phe Leu Ala
 85 90 95
 Cys Ala Ser Gln Met Phe Phe Ser Phe Ser Phe Gly Phe Thr His Ser
 100 105 110
 Phe Leu Leu Thr Val Met Gly Tyr Asp Arg Tyr Val Ala Ile Cys His
 115 120 125
 Pro Leu Arg Tyr Asn Val Leu Met Ser Pro Arg Gly Cys Ala Cys Leu
 130 135 140
 Val Gly Cys Ser Trp Ala Gly Gly Ser Val Met Gly Met Val Val Thr
 145 150 155 160
 Ser Ala Ile Phe Gln Leu Thr Phe Cys Gly Ser His Glu Ile Gln His
 165 170 175
 Phe Leu Cys His Val Pro Pro Leu Leu Lys Leu Ala Cys Gly Asn Asn
 180 185 190
 Val Pro Ala Val Ala Leu Gly Val Gly Leu Val Cys Ile Met Ala Leu
 195 200 205
 Leu Gly Cys Phe Leu Leu Ile Leu Leu Ser Tyr Ala Phe Ile Val Ala
 210 215 220
 Asp Ile Leu Lys Ile Pro Ser Ala Glu Gly Arg Asn Lys Ala Phe Ser
 225 230 235 240
 Thr Cys Ala Ser His Leu Ile Val Val Ile Val His Tyr Gly Phe Ala
 245 250 255
 Ser Val Ile Tyr Leu Lys Pro Lys Gly Pro His Ser Gln Glu Gly Asp
 260 265 270
 Thr Leu Met Ala Thr Thr Tyr Ala Val Leu Thr Pro Phe Leu Ser Pro
 275 280 285
 Ile Ile Phe Ser Leu Arg Asn Lys Glu Leu Lys Val Ala Met Lys Arg
 290 295 300
 Thr Phe Leu Ser Thr Leu Tyr Ser Ser Gly
 305 310

<210> 1805

<211> 316

<212> PRT

<213> Unknown (H38g723 protein)

<220>

<223> Synthetic construct

<400> 1805

Met Pro Gly Gln Asn Tyr Arg Thr Ile Ser Glu Phe Ile Leu Ser Gly
 1 5 10 15
 Phe Ser Ala Phe Pro Gln Gln Leu Leu Pro Val Leu Phe Leu Leu Tyr
 20 25 30
 Leu Leu Met Phe Leu Phe Thr Leu Leu Gly Asn Leu Leu Ile Met Ala
 35 40 45

Thr Val Trp Ile Glu Arg Arg Leu His Thr Pro Met Tyr Leu Phe Leu
 50 55 60
 Cys Ala Leu Ser Ile Ser Glu Ile Leu Phe Thr Val Ala Ile Thr Pro
 65 70 75 80
 Arg Met Leu Ala Asp Leu Leu Phe Thr His Arg Ser Ile Thr Phe Val
 85 90 95
 Ala Cys Ala Ile Gln Met Phe Phe Ser Phe Met Phe Gly Phe Thr His
 100 105 110
 Ser Phe Leu Leu Met Val Met Gly Tyr Asp His Tyr Val Thr Ile Cys
 115 120 125
 His Pro Leu His Tyr Asn Met Leu Met Ser Pro Arg Gly Cys Ala His
 130 135 140
 Leu Val Ala Trp Thr Trp Ala Gly Gly Ser Val Met Gly Met Met Val
 145 150 155 160
 Thr Met Met Val Phe His Leu Thr Phe Cys Gly Ser Asn Val Ile His
 165 170 175
 His Phe Leu Cys His Val Leu Ser Leu Leu Lys Leu Ala Cys Gly Ser
 180 185 190
 Lys Thr Ser Ser Val Ile Met Gly Val Met Leu Val Cys Val Thr Ala
 195 200 205
 Leu Ile Gly Cys Leu Phe Leu Ile Ile Leu Ser Phe Val Phe Ile Val
 210 215 220
 Ala Ala Ile Leu Arg Ile Pro Ser Ala Glu Gly Arg His Lys Thr Phe
 225 230 235 240
 Ser Thr Cys Val Ser His Leu Thr Val Val Val Met His Tyr Ser Phe
 245 250 255
 Ala Ser Leu Ile Tyr Leu Lys Pro Lys Gly Leu His Ser Met Tyr Ser
 260 265 270
 Asp Ala Leu Met Ala Thr Thr Tyr Thr Val Phe Thr Pro Phe Leu Ser
 275 280 285
 Pro Ile Ile Phe Ser Leu Arg Asn Lys Glu Leu Lys Asn Ala Ile Asn
 290 295 300
 Lys Asn Phe Cys Arg Arg Phe Cys Pro Leu Ser Ser
 305 310 315

<210> 1806

<211> 161

<212> PRT

<213> Unknown (H38g724 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(161)

<223> Xaa = Any Amino Acid

<400> 1806

Gly Trp Lys Ser Ser Thr Phe Asn Ile Ser Cys Thr Lys Phe Phe Leu
 1 5 10 15
 Val Gly Phe Pro Gly Leu Arg Glu Trp Trp Pro Leu Leu Val Leu Pro
 20 25 30
 Leu Val Phe Leu Phe Val Thr Ile Ile Ser Ala Asn Ala Leu Val Ile
 35 40 45
 His Thr Val Val Ala Arg Gln Asn Leu His Gln Pro Thr Cys Met Leu
 50 55 60
 Ile Thr Val Leu Leu Ala Val Asn Ile Arg Ala Ala Thr Ala Val Met
 65 70 75 80
 Pro Lys Met Leu Glu Gly Phe Val Tyr Tyr Ala Asn Pro Ile Ser Leu
 85 90 95
 His Gly Arg Leu Ala Xaa Val Phe Phe Ile Tyr Phe Thr Leu Leu

100	105	110
Asp Tyr Asn Phe Leu Trp Pro Trp Pro Trp Thr Gly Tyr Phe Ala Ile		
115	120	125
Cys His Pro Leu Cys Phe Ser Asp Leu Met Thr Ser Gln Leu Leu Gly		
130	135	140
Leu Leu Ala Ile Leu Ala Phe Glu Gln Ser Pro Gly Ser Asp Pro Ala		
145	150	155
Pro		160

<210> 1807
<211> 198
<212> PRT
<213> Unknown (H38g725 protein)

<220>
<223> Synthetic construct

<221> VARIANT
<222> (1)...(198)
<223> Xaa = Any Amino Acid

<400> 1807

Val Ala Ile Cys His Pro Leu Cys Phe Gln Thr Glu Xaa Leu Pro Ser			
1	5	10	15
Trp Leu Gly Leu Leu Ala Ile Leu Ala Leu Thr Gln Ser Trp Gly Val			
20	25	30	
Thr Val Pro Leu Val Val Leu Thr Ala Lys Ala Asp Phe Cys Arg Thr			
35	40	45	
Ala Val Ile Arg His Phe Thr Cys Glu Cys Ile Ala Leu Leu Ser Ile			
50	55	60	
Ala Cys Gly Asp Leu Thr Phe Asn Asn Trp Leu Gly Leu Ala Met Cys			
65	70	75	80
Leu Val Thr Val Ile Ser Asp Met Ala Leu Leu Gly Thr Ser Tyr Thr			
85	90	95	
His Ile Ile Tyr Ala Ala Phe Arg Ile Ser Ser Trp Gly Ala Gln Ala			
100	105	110	
Lys Ala Leu His Thr Cys Gly Ser His Leu Leu Val Ile Leu Ser Ile			
115	120	125	
Tyr Val Ser Gly Leu Ser Thr Ser Ile Thr Phe Xaa Val Ala Lys Thr			
130	135	140	
Val Ser Gln Asn Val Gln Asn Leu Leu Ser Ala Ile Tyr Leu Leu			
145	150	155	160
Pro Gly Ala Leu Asn Pro Val Ile Tyr Gly Val Arg Thr Arg Glu Ile			
165	170	175	
Gln Gln His Val Glu Lys Met Leu Cys Glu Lys Glu Thr Ala Gln Lys			
180	185	190	
Ala Gly Glu Lys Pro Lys			
195			

<210> 1808
<211> 315
<212> PRT
<213> Unknown (H38g726 protein)

<220>
<223> Synthetic construct

<221> VARIANT
<222> (1)...(315)
<223> Xaa = Any Amino Acid

<400> 1808

Phe Ser Gln Asn Leu Leu Ile Ser Gly Ser Gly Ser Phe Val Leu Leu
 1 5 10 15
 Gly Met Pro Gly Leu Glu Ala Leu His Ala Trp Leu Ser Val Pro Val
 20 25 30
 Cys Leu Leu Tyr Met Ala Ala Leu Val Gly Asn Ala Leu Leu Val Gly
 35 40 45
 Leu Val Val Ala Asp Lys Ala Leu Trp Ala Pro Met Tyr Gln Leu Leu
 50 55 60
 Trp Leu Leu Ala Ala Ala Asp Phe Val Leu Ala Thr Ser Thr Val Pro
 65 70 75 80
 Lys Ala Leu Ala Val Leu Trp Gly Leu Ser Ser Glu Ile Ser Phe Gly
 85 90 95
 Gly Cys Leu Ala Gln Leu Phe Val Ala His Ser Val Asn His Cys His
 100 105 110
 Ile Ala Glu Ser Ser Val Leu Leu Ser Thr Ala Val Asp Cys Gln Pro
 115 120 125
 Leu Arg Tyr Gly Ala Leu Leu Ala Gln Phe Val Val Gly Leu Val Ala
 130 135 140
 Leu Thr Thr Met Thr Arg Asp Val Cys Val Met Tyr Thr Leu Xaa Phe
 145 150 155 160
 Leu Phe Lys Lys Leu Pro Tyr Cys Gly Gln Trp Ala Leu Pro His Thr
 165 170 175
 Tyr Cys Glu His Met Gly Val Ala Cys Leu Ala Cys Gly Asp Thr Cys
 180 185 190
 Pro Ile Ile Arg Tyr Gly Leu Ala Thr Thr Leu Leu Ser Pro Ala Leu
 195 200 205
 Asp Leu Gly Leu Ile Gly Ala Ser Tyr Ala Leu Ile Phe Arg Ala Val
 210 215 220
 Cys Arg Leu Pro Ser His Val Ala Cys His Lys Ala Leu Gly Asn Cys
 225 230 235 240
 Gly Thr Tyr Ala Ser Ile Ile Gly Leu Phe Tyr Thr Pro Ala Leu Phe
 245 250 255
 Ser Phe Leu Ala His Cys Phe Gly Cys His Thr Val Pro Asn His Ile
 260 265 270
 His Ile Leu Leu Ala Asn Leu Tyr Ala Val Val Phe Pro Ala Phe Asn
 275 280 285
 Pro Val Val Tyr Gly Val Gln Thr Gln Gln Ser Ser Glu Ala Gln Glu
 290 295 300
 Leu Ala Ser Thr Phe Leu Gly Arg Ser Ser Glu
 305 310 315

<210> 1809

<211> 313

<212> PRT

<213> Unknown (H38g727 protein)

<220>

<223> Synthetic construct

<400> 1809

Met Asn Trp Glu Asn Glu Ser Ser Pro Lys Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Phe Ser Asp Arg Ala Trp Leu Gln Met Pro Leu Phe Val Val Leu Leu
 20 25 30
 Ile Ser Tyr Thr Ile Thr Ile Phe Gly Asn Val Ser Ile Met Met Val
 35 40 45
 Cys Ile Leu Asp Pro Lys Leu His Thr Pro Met Tyr Phe Phe Leu Thr
 50 55 60
 Asn Leu Ser Ile Leu Asp Leu Cys Tyr Thr Thr Thr Val Pro His

65	70	75	80
Met Leu Val Asn Ile Gly Cys Asn Lys Lys	Thr Ile Ser Tyr Ala Gly		
85	90	95	
Cys Val Ala His Leu Ile Ile Phe Leu Ala Leu Gly Ala Thr Glu Cys			
100	105	110	
Leu Leu Leu Ala Val Met Ser Phe Asp Arg Tyr Val Ala Val Cys Arg			
115	120	125	
Pro Leu His Tyr Val Val Ile Met Asn Tyr Trp Phe Cys Leu Arg Met			
130	135	140	
Ala Ala Phe Ser Trp Leu Ile Gly Phe Gly Asn Ser Val Leu Gln Ser			
145	150	155	160
Ser Leu Thr Leu Asn Met Pro Arg Cys Gly His Gln Glu Val Asp His			
165	170	175	
Phe Phe Cys Glu Val Pro Ala Leu Leu Lys Leu Ser Cys Ala Asp Thr			
180	185	190	
Lys Pro Ile Glu Ala Glu Leu Phe Phe Ser Val Leu Ile Leu Leu			
195	200	205	
Ile Pro Val Thr Leu Ile Leu Ile Ser Tyr Gly Phe Ile Ala Gln Ala			
210	215	220	
Val Leu Lys Ile Arg Ser Ala Glu Gly Arg Gln Lys Ala Phe Gly Thr			
225	230	235	240
Cys Gly Ser His Met Ile Val Val Ser Leu Phe Tyr Gly Thr Ala Ile			
245	250	255	
Tyr Met Tyr Leu Gln Pro Pro Ser Ser Thr Ser Lys Asp Trp Gly Lys			
260	265	270	
Met Val Ser Leu Phe Tyr Gly Ile Ile Thr Ser Met Leu Asn Ser Leu			
275	280	285	
Ile Tyr Ser Leu Arg Asn Lys Asp Met Lys Glu Ala Phe Lys Arg Leu			
290	295	300	
Met Pro Arg Ile Phe Phe Cys Lys Lys			
305	310		

<210> 1810

<211> 323

<212> PRT

<213> Unknown (H38g728 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(323)

<223> Xaa = Any Amino Acid

<400> 1810

Gly Thr Leu Asn Leu Ser Ser Phe Asn Pro Gly Leu Phe Ile Leu Leu			
1	5	10	15
Gly Ile Pro Gly Leu Glu Trp Phe Cys Ile Trp Met Gly Ile Leu Ser			
20	25	30	
Phe Thr Ser Tyr Leu Val Ser Leu Ala Gly Asn Val Ile Leu Leu Tyr			
35	40	45	
Leu Ile Thr Val Glu His Asn Leu His Lys Pro Met Phe Ser Phe Leu			
50	55	60	
Ser Ile Pro Ala Ser Ala Asn Leu Ile Leu Cys Ile Thr Tyr Phe Pro			
65	70	75	80
Lys Thr Phe Gly Ile Phe Xaa Leu Lys Ala Gln Lys Ile Ile Phe Pro			
85	90	95	
Gly Cys Phe Thr Arg Phe Phe Phe Gly Leu Leu His Phe Ser Phe			
100	105	110	
Phe Leu Asp Leu Ala Ile Leu Leu Gly Leu Ala Phe Asp His Tyr Met			
115	120	125	

Thr Ile Gly Phe Leu Leu Arg Tyr Thr Ser Gly Leu Thr Pro Arg Thr
 130 135 140
 Leu Gly Lys Ile Val Val Ser Ile Asp Xaa Arg Phe Asn Asn Ile Leu
 145 150 155 160
 Pro Ile Asp Phe Leu Gly Lys His Leu Pro Phe Cys Arg Thr His Ile
 165 170 175
 Asn Ser Asn Thr Tyr Cys Glu His Ile Gly Val Ala Leu Leu Ser Tyr
 180 185 190
 Ala Asp Ile Ser Ile Asn Ile Trp Tyr Asp Phe Thr Ile Leu Val Met
 195 200 205
 Thr Ile Ile Ser Asp Leu Ile Leu Thr Asp Ile Ser Tyr Thr Leu Thr
 210 215 220
 Leu His Ala Val Phe His Leu Pro Ser Ser Asp Ala Leu Leu Lys Ala
 225 230 235 240
 Leu Ser Thr Cys Gly Ser His Val Ser Val Ile Leu Met Leu Tyr Thr
 245 250 255
 Pro Thr Met Leu Ser Ala Leu Thr His His Phe Gly Gln Ser Ile Ser
 260 265 270
 Cys Thr Phe Tyr Ile Met Phe Val Gly Leu Tyr Arg Ala Ile Pro Pro
 275 280 285
 Val Leu Asn Ser Ile Ile Tyr Gly Val Lys Thr Lys Gln Ile Gly Asn
 290 295 300
 Lys Val Ile Leu Leu Phe Phe Leu Lys Gly Met Gln Xaa Tyr Glu Asp
 305 310 315 320
 Glu Asn Met

<210> 1811
 <211> 337
 <212> PRT
 <213> Unknown (H38g729 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(337)
 <223> Xaa = Any Amino Acid

<400> 1811
 Met Lys Lys Asn Ala Ser Phe Glu Asp Phe Phe Ile Leu Leu Gly Phe
 1 5 10 15
 Ser Asn Trp Pro His Leu Glu Val Val Leu Phe Val Val Ile Leu Ile
 20 25 30
 Phe Tyr Leu Ile Thr Leu Ile Gly Asn Leu Phe Ile Ile Ile Leu Ser
 35 40 45
 Tyr Leu Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser Asn
 50 55 60
 Leu Ser Phe Leu Asp Leu Cys Tyr Thr Thr Ser Ser Ile Pro Gln Leu
 65 70 75 80
 Leu Val Asn Leu Trp Gly Pro Glu Lys Thr Ile Ser Tyr Ala Gly Cys
 85 90 95
 Thr Val Gln Leu Tyr Phe Val Leu Ala Leu Gly Thr Ala Glu Cys Val
 100 105 110
 Leu Leu Val Val Met Ser Tyr Asp Arg Tyr Ala Ala Val Cys Arg Pro
 115 120 125
 Leu His Tyr Thr Val Leu Met His Pro Arg Phe Cys Arg Leu Leu Ala
 130 135 140
 Ala Ala Ser Trp Val Ser Gly Phe Thr Thr Ser Ala Leu His Ser Ser
 145 150 155 160
 Phe Thr Phe Trp Ile Pro Leu Cys Arg His Arg Leu Val Asp His Phe

165	170	175	
Phe Cys Glu Ala Pro Ala Leu Leu Arg	Leu Ser Cys Val Asp Thr Xaa		
180	185	190	
Ala Asn Glu Leu Thr Leu Met Val Met	Ser Ser Ile Phe Val Leu Ile		
195	200	205	
Pro Leu Ile Leu Ile Leu Thr Ser Tyr	Gly Ala Ile Ala Arg Ala Val		
210	215	220	
Leu Ser Met Gln Ser Thr Thr Gly Leu	Gln Lys Val Leu Arg Thr Cys		
225	230	235	240
Gly Ala His Leu Met Val Val Ser Leu	Phe Phe Ile Pro Val Met Cys		
245	250	255	
Met Tyr Leu Gln Pro Pro Ser Glu Asn	Ser Gln Asp Gln Gly Lys Phe		
260	265	270	
Ile Ala Leu Phe Tyr Thr Val Val Thr	Pro Ser Leu Asn Pro Leu Ile		
275	280	285	
Tyr Thr Phe Arg Asn Lys Asp Val Arg	Gly Ala Val Lys Arg Leu Met		
290	295	300	
Gly Trp Glu Trp Gly Met Xaa Gln Gly	Asn His Val Xaa Leu Leu Phe		
305	310	315	320
Phe Leu Gly Ser Phe His Phe Glu Arg	Leu Phe Pro Cys Phe Phe Val		
325	330	335	
Ile			

<210> 1812

<211> 319

<212> PRT

<213> Unknown (H38g730 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(319)

<223> Xaa = Any Amino Acid

<400> 1812

Met Ala Met Tyr Asn Met Ser Asp His	Gly Thr Gly Leu Phe Ile Leu		
1	5	10	15
Leu Gly Ile Pro Gly Leu Glu Gln	Tyr His Val Trp Ile Ser Ile Pro		
20	25	30	
Phe Cys Leu Ile Tyr Leu Met Ala Val	Val Ala Lys Ser Ile Leu Leu		
35	40	45	
Tyr Leu Ile Val Val Glu His Ser Leu	His Ala Pro Met Phe Phe Phe		
50	55	60	
Leu Ser Met Leu Ala Ile Thr Asp Leu	Ile Leu Ser Thr Thr Cys Val		
65	70	75	80
Pro Lys Thr Leu Ser Ile Phe Trp Phe	Gly Pro Gln Ile Ser Phe Pro		
85	90	95	
Gly Cys Leu Thr Gln Leu Phe Phe	Leu His Tyr Ser Phe Val Leu Asp		
100	105	110	
Ser Ala Ile Leu Ala Met Ala Phe Asp	Arg Tyr Met Ala Ile Cys		
115	120	125	
Ser Pro Leu Arg Tyr Thr Ile Leu Thr	Pro Lys Thr Ile Val Lys		
130	135	140	
Ile Ala Val Gly Ile Cys Phe Arg	Ser Phe Cys Val Phe Val Pro Cys		
145	150	155	160
Val Phe Leu Val Asn Arg Leu Pro Phe	Cys Arg Thr His Ile Ile Ser		
165	170	175	
His Thr Tyr Cys Glu His Ile Gly Val	Ala Gln Leu Ala Cys Ala Asp		
180	185	190	

Ile Ser Ile Asn Ile Trp Cys Gly Phe Cys Val Pro Ile Met Thr Val
 195 200 205
 Met Thr Asp Val Ile Leu Ile Ala Val Ser Tyr Thr Leu Met Leu Cys
 210 215 220
 Gly Val Phe Cys Leu Pro Ser Gln Asp Ala Arg Gln Lys Ala Leu Cys
 225 230 235 240
 Ser Cys Gly Ser His Val Cys Val Ile Leu Ile Phe Tyr Thr Pro Ala
 245 250 255
 Phe Phe Ser Ile Leu Ala His Arg Phe Gly His Asn Val Pro His Thr
 260 265 270
 Phe His Ile Met Phe Ala Asn Leu Tyr Val Ile Ile Pro Pro Ala Leu
 275 280 285
 Asn Pro Ile Val Tyr Arg Ile Lys Thr Lys Gln Ile Gln Asn Arg Ile
 290 295 300
 Leu Leu Leu Phe Pro Lys Gly Ser Gln Xaa Xaa Val Pro Glu Leu
 305 310 315

<210> 1813

<211> 311

<212> PRT

<213> Unknown (H38g731 protein)

<220>

<223> Synthetic construct

<400> 1813

Met Asn Asp Asp Gly Lys Val Asn Ala Ser Ser Glu Gly Tyr Phe Ile
 1 5 10 15
 Leu Val Gly Phe Ser Asn Trp Pro His Leu Glu Val Val Ile Phe Val
 20 25 30
 Val Val Leu Ile Phe Tyr Leu Met Thr Leu Ile Gly Asn Leu Phe Ile
 35 40 45
 Ile Ile Leu Ser Tyr Leu Asp Ser His Leu His Thr Pro Met Tyr Phe
 50 55 60
 Phe Leu Ser Asn Leu Ser Phe Leu Asp Leu Cys Tyr Thr Ser Ser
 65 70 75 80
 Ile Pro Gln Leu Leu Val Asn Leu Trp Gly Pro Glu Lys Thr Ile Ser
 85 90 95
 Tyr Ala Gly Cys Met Ile Gln Leu Tyr Phe Val Leu Ala Leu Gly Thr
 100 105 110
 Thr Glu Cys Val Leu Leu Val Val Met Ser Tyr Asp Arg Tyr Ala Ala
 115 120 125
 Val Cys Arg Pro Leu His Tyr Thr Val Leu Met His Pro Arg Phe Cys
 130 135 140
 His Leu Leu Ala Val Ala Ser Trp Val Ser Gly Phe Thr Asn Ser Ala
 145 150 155 160
 Leu His Ser Ser Phe Thr Phe Trp Val Pro Leu Cys Gly His Arg Gln
 165 170 175
 Val Asp His Phe Cys Glu Val Pro Ala Leu Arg Leu Ser Cys
 180 185 190
 Val Asp Thr His Val Asn Glu Leu Thr Leu Met Ile Thr Ser Ser Ile
 195 200 205
 Phe Val Leu Ile Pro Leu Ile Leu Ile Thr Ser Tyr Gly Ala Ile
 210 215 220
 Val Arg Ala Val Leu Arg Met Gln Ser Thr Thr Gly Leu Gln Lys Val
 225 230 235 240
 Phe Gly Thr Cys Gly Ala His Leu Met Ala Val Ser Leu Phe Phe Ile
 245 250 255
 Pro Ala Met Cys Ile Tyr Leu Gln Pro Pro Ser Gly Asn Ser Gln Asp
 260 265 270
 Gln Gly Lys Phe Ile Ala Leu Phe Tyr Thr Val Val Thr Pro Ser Leu

275	280	285
Asn Pro Leu Ile Tyr Thr Leu Arg Asn Lys Val Val Arg Gly Ala Val		
290	295	300
Lys Arg Leu Met Gly Trp Glu		
305	310	

<210> 1814
 <211> 88
 <212> PRT
 <213> Unknown (H38g732 protein)

<220>
 <223> Synthetic construct

<400> 1814

1	5	10	15												
Ala	Phe	Glu	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro	Leu	Cys	His	Ala	Glu
20							25					30			
Val	Leu	Asn	Ser	Thr	Val	Thr	Ala	His	Ile	Gly	Ile	Val	Ala	Gly	Val
35							40				45				
Arg	Gly	Ser	Leu	Phe	Phe	Ser	Pro	Leu	Ala	Leu	Leu	Ile	Lys	Thr	Leu
50							55				60				
Gly	Leu	Cys	His	Ser	Tyr	Val	Leu	Ser	His	Ser	Tyr	Ser	Leu	His	Gln
65							70			75					80
Asp	Val	Ala	Asn	Leu	Ser	Tyr	Ala								
							85								

<210> 1815
 <211> 159
 <212> PRT
 <213> Unknown (H38g733 protein)

<220>
 <223> Synthetic construct

<400> 1815

1	5	10	15												
Leu	Cys	Leu	Trp	Leu	Val	Leu	Ala	Cys	Trp	Cys	Gly	Gly	Phe	Ile	His
20							25						30		
Ser	Ile	Met	Gln	Val	Ile	Leu	Val	Ile	Gln	Leu	Pro	Phe	Cys	Gly	Pro
35							40				45				
Asn	Glu	Leu	Asp	Asn	Phe	Tyr	Cys	Asp	Val	Leu	Gln	Ile	Ile	Lys	Leu
50							55				60				
Ala	Cys	Met	Asp	Thr	Tyr	Val	Val	Glu	Val	Leu	Val	Ile	Ala	Asn	Ser
65							70				75				80
Gly	Leu	Leu	Ser	Leu	Val	Cys	Phe	Leu	Val	Leu	Leu	Phe	Ser	Tyr	Ala
85							90					95			
Ile	Ile	Leu	Ile	Thr	Leu	Arg	Thr	Arg	Phe	Cys	Gln	Gly	Gln	Asn	Lys
100							105					110			
Val	Leu	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Ile	Phe
115							120					125			
Val	Pro	Cys	Val	Phe	Ile	Tyr	Leu	Arg	Pro	Phe	Cys	Ser	Phe	Ser	Val
130							135				140				
Asp	Lys	Ile	Phe	Ser	Leu	Phe	Tyr	Thr	Val	Ile	Thr	Pro	Met	Leu	
145							150				155				

<210> 1816
 <211> 316
 <212> PRT

<213> Unknown (H38g734 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(316)

<223> Xaa = Any Amino Acid

<400> 1816

Met	Ser	Ala	Pro	Asn	His	Ser	Thr	Ala	Asn	His	Asp	Met	Phe	Val	Leu
1															15
Ile	Gly	Val	Pro	Gly	Leu	Lys	Glu	Leu	His	Val	Trp	Ile	Ser	Ile	Pro
															20
Phe	Cys	Leu	Met	Tyr	Leu	Val	Ala	Val	Ser	Gly	Asn	Gly	Leu	Leu	Val
															35
Cys	Val	Val	Ala	Val	Glu	His	Ser	Leu	His	Glu	Pro	Met	Tyr	Leu	Phe
															50
Leu	Ser	Met	Leu	Ala	Phe	Trp	Asp	Leu	Ile	Leu	Ser	Thr	Ser	Ala	Val
															65
Pro	Lys	Ala	Leu	Ser	Ile	Phe	Trp	Phe	Asp	Asp	Val	Asp	Ile	Ser	Phe
															85
Gly	Gly	Cys	Val	Thr	Gln	Leu	Phe	Phe	Met	His	Phe	Ala	Phe	Val	Ala
															100
Glu	Ser	Gly	Ile	Leu	Leu	Thr	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile
															115
Cys	Tyr	Pro	Leu	Arg	Tyr	Ser	Thr	Ile	Leu	Ser	His	Ser	Val	Ile	Gly
															130
Lys	Ile	Gly	Gly	Val	Val	Val	Phe	Arg	Ser	Phe	Ala	Thr	Val	Phe	Ser
															145
Ile	Val	Phe	Leu	Val	Lys	Arg	Leu	Pro	Phe	Cys	Arg	Thr	Asn	Ile	Ile
															165
Ala	His	Thr	Phe	Cys	Glu	His	Met	Gly	Leu	Ala	Lys	Leu	Gly	Cys	Ser
															180
Glu	Ile	Thr	Ile	Asn	Ile	Trp	Tyr	Ile	Ser	Val	Pro	Leu	Leu	Ser	
															195
Val	Thr	Leu	Asp	Met	Val	Thr	Ile	Val	Ile	Ser	Xaa	Gly	Leu	Ile	Val
															210
Gln	Ala	Val	Phe	Arg	Leu	Pro	Ser	Leu	Gly	Ala	Trp	Met	Lys	Ala	Leu
															225
Ser	Thr	Cys	Gly	Ser	His	Gly	Ser	Val	Ile	Leu	Met	Phe	Cys	Leu	Pro
															245
Gly	Ile	Phe	Thr	Val	Ile	Val	Gln	Arg	Phe	Ala	Xaa	Lys	Phe	Pro	Lys
															260
Tyr	Val	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val	Leu	Val	Pro	Pro	Met
															275
Met	Asn	Pro	Ile	Ile	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Gln	Lys	Gly
															290
Val	Ala	Leu	Val	Phe	Ser	Pro	Lys	Gly	Lys	Cys	Cys				
															305
															310
															315

<210> 1817

<211> 364

<212> PRT

<213> Unknown (H38g735 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(364)

<223> Xaa = Any Amino Acid

<400> 1817

Met Pro Leu Thr Asn Glu Ser His Pro Glu Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Phe Ala Asp Arg Pro Trp Leu Glu Leu Pro Leu Phe Thr Ser Leu Leu
 20 25 30
 Ile Met Tyr Pro Ile Ala Val Met Gly Asn Ile Thr Ile Ile Leu Met
 35 40 45
 Ser Arg Leu Asp Ser Arg Leu His Ser Pro Met Tyr Phe Phe Leu Thr
 50 55 60
 Asn Leu Ser Phe Leu Asp Met Cys Tyr Thr Thr Ser Ile Val Pro Gln
 65 70 75 80
 Met Leu Phe Asn Leu Gly Ser Ser Lys Lys Thr Ile Ser Tyr Met Gly
 85 90 95
 Cys Ala Val Gln Leu Tyr Phe Phe His Ile Met Gly Gly Thr Glu Cys
 100 105 110
 Leu Leu Ala Ile Met Ser Phe Asp Arg Tyr Val Ala Ile Cys Arg
 115 120 125
 Pro Leu His Tyr Thr Leu Ile Met Asn Gln Arg Val Cys Ile His Xaa
 130 135 140
 Phe Pro Pro Cys Trp Leu Ile Gly Ile Ile Tyr Ala Val Ser Glu Ala
 145 150 155 160
 Thr Ala Thr Leu Gln Leu Pro Leu Cys Gly Ser Asn Lys Leu Asp His
 165 170 175
 Leu Val Cys Glu Ile Pro Val Leu Ile Lys Ile Ala Cys Gly Glu Lys
 180 185 190
 Gly Ser Asn Glu Leu Thr Leu Ser Val Val Cys Ile Phe Met Leu Ala
 195 200 205
 Val Pro Leu Cys Leu Ile Leu Ala Ser Tyr Ala Ser Ile Gly Ser Ala
 210 215 220
 Val Phe Lys Ile Lys Ser Ser Lys Gly Arg Lys Lys Ala Phe Gly Thr
 225 230 235 240
 Cys Ser Ser His Leu Ile Val Val Phe Leu Phe Tyr Gly Pro Ala Ile
 245 250 255
 Ser Met Tyr Leu Gln Pro Pro Ser Ser Ile Ser Arg Asp Gln Pro Lys
 260 265 270
 Phe Met Ala Leu Phe Tyr Gly Val Val Thr Pro Ser Leu Asn Pro Phe
 275 280 285
 Ile Tyr Thr Leu Arg Asn Lys Asn Val Lys Gly Ala Leu Arg Asn Leu
 290 295 300
 Val Arg Ser Ile Phe Ser Phe Lys Xaa Xaa Trp Val Asp Ile Thr Met
 305 310 315 320
 Lys Leu Leu Asn Ser Xaa Ser Arg Leu Leu Trp Phe Tyr Leu Thr Asn
 325 330 335
 Ser Cys Leu Ile Ile Lys Tyr Arg Phe Thr Cys Ser Cys Lys Ile Cys
 340 345 350
 Tyr Val Ser Glu Thr Leu Cys Lys His Val Gln Gln
 355 360

<210> 1818

<211> 166

<212> PRT

<213> Unknown (H38g736 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(166)

<223> Xaa = Any Amino Acid

<400> 1818

Phe Ile His Ala Leu Ser Ala Ile Glu Ser Thr Ile Leu Leu Ala Met
 1 5 10 15
 Ala Phe Asp Arg Tyr Val Ala Ile Cys His Pro Leu Arg His Ala Ala
 20 25 30
 Val Leu Asn Asn Thr Val Thr Ala Gln Ile Gly Ile Val Ala Val Val
 35 40 45
 Arg Gly Ser Leu Phe Phe Pro Leu Pro Leu Leu Ile Lys Arg Leu
 50 55 60
 Ala Phe Cys His Ser Asn Val Leu Ser His Ser Tyr Cys Val His Gln
 65 70 75 80
 Asp Val Leu Lys Leu Ala Tyr Ala Asp Thr Leu Pro Asn Val Val Tyr
 85 90 95
 Gly Leu Thr Ala Ile Leu Leu Ala Met Gly Val Asp Ala Met Phe Ile
 100 105 110
 Ser Leu Ser Tyr Phe Leu Ile Ile Arg Thr Val Leu Gln Leu Pro Ser
 115 120 125
 Lys Ser Xaa Arg Ala Lys Ala Phe Gly Thr Cys Val Val His Ile Gly
 130 135 140
 Val Val Leu Gly Leu Tyr Val Pro Leu Ile Gly Thr Ser Ser Gly His
 145 150 155 160
 Arg Phe Gly Asn Lys Leu
 165

<210> 1819

<211> 312

<212> PRT

<213> Unknown (H38g737 protein)

<220>

<223> Synthetic construct

<400> 1819

Met Met Ile Lys Lys Asn Ala Ser Ser Glu Asp Phe Phe Ile Leu Leu
 1 5 10 15
 Gly Phe Ser Asn Trp Pro Gln Leu Glu Val Val Leu Phe Val Val Ile
 20 25 30
 Leu Ile Phe Tyr Leu Met Thr Leu Thr Gly Asn Leu Phe Ile Ile Ile
 35 40 45
 Leu Ser Tyr Val Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu
 50 55 60
 Ser Asn Leu Ser Phe Leu Asp Leu Cys His Thr Thr Ser Ser Ile Pro
 65 70 75 80
 Gln Leu Leu Val Asn Leu Arg Gly Pro Glu Lys Thr Ile Ser Tyr Ala
 85 90 95
 Gly Cys Met Val Gln Leu Tyr Phe Val Leu Ala Leu Gly Ile Ala Glu
 100 105 110
 Cys Val Leu Leu Val Val Met Ser Tyr Asp Arg Tyr Val Ala Val Cys
 115 120 125
 Arg Pro Leu His Tyr Thr Val Leu Met His Pro Arg Phe Cys His Leu
 130 135 140
 Leu Ala Ala Ala Ser Trp Val Ile Gly Phe Thr Ile Ser Ala Leu His
 145 150 155 160
 Ser Ser Phe Thr Phe Trp Val Pro Leu Cys Gly His Arg Leu Val Asp
 165 170 175
 His Phe Phe Cys Glu Val Pro Ala Leu Leu Arg Leu Ser Cys Val Asp
 180 185 190
 Thr His Ala Asn Glu Leu Thr Leu Met Val Met Ser Ser Ile Phe Val
 195 200 205
 Leu Ile Pro Leu Ile Leu Ile Leu Thr Ala Tyr Gly Ala Ile Ala Arg

210	215	220
Ala Val Leu Ser Met Gln Ser Thr Thr Gly Leu Gln Lys Val Phe Arg		
225	230	235
Thr Cys Gly Ala His Leu Met Val Val Ser Leu Phe Phe Ile Pro Val		240
245	250	255
Met Cys Met Tyr Leu Gln Pro Pro Ser Glu Asn Ser Pro Asp Gln Gly		
260	265	270
Lys Phe Ile Ala Leu Phe Tyr Thr Val Val Thr Pro Ser Leu Asn Pro		
275	280	285
Leu Ile Tyr Thr Leu Arg Asn Lys His Val Lys Gly Ala Ala Lys Arg		
290	295	300
Leu Leu Gly Trp Glu Trp Gly Lys		
305	310	

<210> 1820

<211> 151

<212> PRT

<213> Unknown (H38g738 protein)

<220>

<223> Synthetic construct

<400> 1820

Arg Pro Leu Cys Ala Pro Arg Leu Leu Asp His Phe Ile Cys Glu Leu			
1	5	10	15
Pro Ala Leu Leu Lys Leu Ala Cys Gly Gly Asp Gly Asp Thr Thr Glu			
20	25	30	
Asn Gln Met Phe Ala Ala Arg Val Val Ile Leu Leu Arg Gly Val Ala			
35	40	45	
Val Ile Leu Ala Ser Tyr Gly Ala Val Ala Arg Ala Val Cys Cys Met			
50	55	60	
Arg Phe Asn Gly Gly Arg Arg Ala Val Gly Thr Cys Gly Ser His			
65	70	75	80
Leu Thr Ala Val Cys Leu Phe Tyr Gly Ser Ala Ile Tyr Thr Tyr Leu			
85	90	95	
Gln Pro Ala Gln Arg Tyr Asn Gln Ala Arg Gly Lys Phe Val Ser Leu			
100	105	110	
Phe Tyr Thr Val Val Thr Pro Ala Leu Asn Pro Leu Ile Tyr Thr Leu			
115	120	125	
Arg Asn Lys Lys Met Lys Gly Ala Pro Arg Arg Leu Leu Arg Ser Leu			
130	135	140	
Gly Arg Gly Gln Ala Gly Gln			
145	150		

<210> 1821

<211> 341

<212> PRT

<213> Unknown (H38g739 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(341)

<223> Xaa = Any Amino Acid

<400> 1821

Met Met Glu Lys Val Asn Ala Ser Ser Glu Gly Tyr Phe Ile Leu Val			
1	5	10	15
Gly Phe Ser Asn Trp Pro Tyr Leu Glu Val Val Leu Phe Val Val Ile			
20	25	30	

Leu Ile Phe Cys Leu Met Thr Leu Ile Gly Asn Leu Phe Ile Ile Ile
 35 40 45
 Leu Thr Tyr Leu Asp Ser His Leu His Thr Pro Leu Tyr Phe Phe Leu
 50 55 60
 Ser Asn Leu Ser Phe Leu Asp Leu Cys Tyr Thr Thr Ser Ser Ile Pro
 65 70 75 80
 Gln Leu Leu Val Ser Leu Trp Gly Val Glu Lys Thr Ile Ser Tyr Ala
 85 90 95
 Gly Cys Met Val Gln Leu Tyr Phe Phe Leu Thr Leu Gly Thr Thr Glu
 100 105 110
 Cys Val Leu Leu Val Val Met Ser Tyr Asp Arg Tyr Ala Ala Val Cys
 115 120 125
 Arg Pro Leu His Tyr Thr Val Leu Met His Ser Arg Phe Cys His Leu
 130 135 140
 Leu Ala Val Ala Ser Trp Val Ser Gly Phe Thr Asn Pro Ala Leu His
 145 150 155 160
 Ser Ser Phe Thr Phe Trp Val Pro Leu Cys Gly His Arg Gln Ile Asp
 165 170 175
 His Phe Phe Cys Glu Val Pro Ala Leu Leu Xaa Leu Ser Phe Val Asn
 180 185 190
 Thr Arg Glu Asn Lys Leu Thr Leu Met Ile Thr Ser Ser Ile Phe Val
 195 200 205
 Leu Leu Leu Thr Leu Ile Phe Thr Ser Tyr Gly Ala Ile Ala Gln
 210 215 220
 Ala Val Leu Arg Met Gln Ser Thr Thr Gly Leu Gln Lys Val Phe Gly
 225 230 235 240
 Thr Cys Gly Ala His His Met Val Val Ser Leu Phe Phe Ile Pro Ala
 245 250 255
 Met Cys Met Tyr Leu Gln Pro Pro Ser Gly Asn Ser Gln Asp Gln Gly
 260 265 270
 Lys Phe Ile Ala Leu Phe Tyr Thr Val Val Thr Pro Ser Leu Asn Pro
 275 280 285
 Leu Ile Tyr Thr Leu Arg Asn Lys Asp Val Arg Gly Val Val Lys Arg
 290 295 300
 Leu Arg Gly Trp Glu Xaa Ala Cys Val Cys Val Ile Leu Thr Ile Xaa
 305 310 315 320
 Trp Ser Leu Ser Ser Gln Xaa Phe Ile His Leu Phe Ile Tyr Gln Pro
 325 330 335
 Phe Phe Tyr Ser Leu
 340

<210> 1822

<211> 219

<212> PRT

<213> Unknown (H38g740 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(219)

<223> Xaa = Any Amino Acid

<400> 1822

Leu Pro Asp Ile Gly Phe Thr Ser Thr Thr Val Pro Lys Met Ile Val
 1 5 10 15
 Asp Ile Gln Ser His Ser Arg Val Ile Ser Tyr Ala Gly Cys Leu Thr
 20 25 30
 Gln Met Ser Leu Phe Ala Ile Phe Gly Gly Met Glu Asp Ser Ile Leu
 35 40 45
 Leu Ser Val Met Ala Tyr Asp Gln Phe Val Ala Lys Cys His Pro Leu

50	55	60	
Tyr	His Ser Ala Ile Met Asn Pro Cys	Leu Cys Gly Phe Leu Leu Leu	
65	70	75	80
Leu	Ser Ile Phe Phe Ser Leu Ser Leu Leu Asp Ala Gln Leu	Tyr Asn	
	85	90	95
Leu	Ile Ala Leu Gln Met Thr Cys Phe Lys Asp Val Glu	Ile Pro Asn	
	100	105	110
Phe	Phe Cys Asp Pro Ser Gln Leu Pro His Leu Ala Cys	Cys Asp Thr	
	115	120	125
Phe	Asn Asn Asn Ile Ile Leu Tyr Phe Pro Asp Ala Ile Phe	Gly Phe	
	130	135	140
Leu	Pro Ile Ser Gly Thr Leu Phe Ser Tyr Asp Lys Ile Val Ser	Ser	
145	150	155	160
Ile	Leu Arg Val Ser Ser Ser Gly Gly Arg Tyr Lys Ala Leu	Ser Thr	
	165	170	175
Cys	Gly Ser His Val Ser Val Val Cys Xaa Val Tyr Gly Thr	Gly Val	
	180	185	190
Gly	Gly Tyr Leu Ser Ser Asp Val Ser Phe Ser Pro Arg Lys	Gly Ala	
	195	200	205
Val	Ala Ser Val Met Tyr Ala Val Val Thr Pro		
210	215		

<210> 1823

<211> 324

<212> PRT

<213> Unknown (H38g741 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(324)

<223> Xaa = Any Amino Acid

<400> 1823

Met	Ile Ile Ile Cys Asn Asp Ser His Ser Asp Phe Ile Leu Leu Gly			
1	5	10	15	
Phe	Ser Asn Lys Pro His Leu Glu Lys Ile Leu Phe Val Ile Ile Phe			
	20	25	30	
Ile	Phe Tyr Phe Leu Thr Leu Ala Gly Asn Met Val Ile Val Leu Val			
	35	40	45	
Ser	Leu Lys Asp Pro Lys Leu His Ile Pro Met Tyr Phe Phe Leu Ser			
	50	55	60	
Asn	Leu Ser Leu Val Asp Leu Cys Leu Thr Ser Ser Cys Val Pro Gln			
	65	70	75	80
Met	Leu Ile Asn Phe Trp Gly Pro Glu Lys Thr Ile Ser Tyr Ile Gly			
	85	90	95	
Cys	Ala Ile Gln Leu Tyr Val Phe Leu Trp Leu Gly Ala Thr Glu Tyr			
	100	105	110	
Val	Leu Leu Val Val Met Ala Val Asp Cys Tyr Val Ala Val Cys His			
	115	120	125	
Pro	Leu Gln Asn Thr Met Ile Met His Pro Lys Leu Cys Leu Gln Leu			
	130	135	140	
Ala	Ile Leu Ala Trp Gly Thr Gly Leu Ala Gln Ser Leu Ile Gln Ser			
	145	150	155	160
Pro	Ala Thr Leu Arg Leu Pro Phe Cys Ser Gln Arg Met Val Asp Asp			
	165	170	175	
Val	Val Cys Glu Val Pro Ala Leu Ile Gln Leu Ser Ser Thr Asp Thr			
	180	185	190	
Thr	Tyr Ser Glu Ile Gln Met Ser Ile Ala Ser Val Val Leu Leu Val			
	195	200	205	

Met Pro Leu Ile Ile Leu Ser Ser Ser Gly Ala Ile Ala Lys Ala
 210 215 220
 Val Leu Arg Ile Lys Ser Thr Ala Gly Gln Lys Lys Ala Phe Gly Thr
 225 230 235 240
 Cys Ile Ser His Leu Leu Val Val Ser Leu Phe Tyr Gly Thr Val Thr
 245 250 255
 Gly Val Tyr Leu Gln Pro Lys Asn His Tyr Pro His Glu Trp Gly Lys
 260 265 270
 Phe Leu Thr Leu Phe Tyr Thr Val Val Thr Pro Thr Leu Asn Pro Leu
 275 280 285
 Ile Tyr Thr Leu Arg Asn Lys Glu Val Lys Gly Ala Leu Ile Arg Leu
 290 295 300
 Gly Arg Arg Thr Trp Asp Ser Gln Asn Asn Xaa Gln Gly Xaa His Met
 305 310 315 320
 Phe Thr Phe Ala

<210> 1824

<211> 218

<212> PRT

<213> Unknown (H38g742 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(218)

<223> Xaa = Any Amino Acid

<400> 1824

Leu Pro Asp Ile Gly Phe Thr Leu Ala Thr Val Pro Lys Met Met Val
 1 5 10 15
 Asp Met Gln Ser His Ser Arg Val Ile Ser His Ala Gly Cys Leu Thr
 20 25 30
 Gln Ile Pro Phe Phe Val Leu Phe Val Cys Ile Asp Asp Met Leu Leu
 35 40 45
 Thr Val Met Ala Tyr Asn Xaa Phe Val Ala Ile Cys His Pro Leu His
 50 55 60
 Tyr Pro Val Ile Met Asn Pro His Leu Cys Val Phe Leu Val Leu Val
 65 70 75 80
 Ser Phe Phe Leu Ser Leu Leu Asp Ser Gln Leu His Ser Trp Ile Val
 85 90 95
 Leu Gln Gln Leu Thr Phe Phe Lys Asn Val Glu Ile Ser Xaa Phe Phe
 100 105 110
 Phe Cys Asp Pro Ser Gln Leu Leu Asn Leu Ala Cys Ser Asp Ser Ile
 115 120 125
 Ile Asn Asn Ile Leu Cys Ile Leu Asp Ile Pro Ile Phe Gly Phe Leu
 130 135 140
 Pro Ile Ser Gly Ile Leu Leu Ser Tyr Tyr Lys Ile Val Ser Ser Ile
 145 150 155 160
 Pro Arg Ile Pro Ser Ser Asp Gly Lys Tyr Lys Ala Phe Ser Thr Cys
 165 170 175
 Gly Ser His Leu Ala Val Val Cys Leu Phe Tyr Gly Thr Gly Leu Val
 180 185 190
 Gly Tyr Leu Ser Ser Ala Val Leu Pro Ser Pro Arg Lys Ser Met Val
 195 200 205
 Ala Ser Val Met Tyr Thr Val Val Thr Pro
 210 215

<210> 1825

<211> 124

<212> PRT
 <213> Unknown (H38g743 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(124)
 <223> Xaa = Any Amino Acid

<400> 1825

Phe	Leu	Leu	Xaa	Ala	Asn	Tyr	Ser	Ala	Glu	Glu	Arg	Phe	Leu	Leu	Leu
1								10					15		
Gly	Phe	Ser	Asp	Trp	Pro	Ser	Leu	Gln	Pro	Val	Leu	Phe	Ala	Leu	Val
	20						25						30		
Leu	Leu	Cys	Tyr	Leu	Leu	Thr	Leu	Thr	Gly	Asn	Ser	Ala	Leu	Val	Leu
	35						40					45			
Leu	Ala	Glu	Lys	Asp	Pro	Arg	Leu	Gln	Thr	Pro	Arg	Cys	Met	Asn	Tyr
	50						55				60				
Phe	Leu	Cys	His	Leu	Ala	Leu	Val	Asp	Ala	Gly	Phe	Thr	Thr	Ser	Val
	65						70			75			80		
Val	Pro	Pro	Leu	Leu	Ala	Asn	Leu	Arg	Gly	Pro	Ala	Leu	Leu	Xaa	Pro
	85						90					95			
Arg	Ser	His	Cys	Thr	Ala	Gln	Leu	Cys	Ala	Ser	Leu	Ala	Leu	Gly	Ser
	100						105					110			
Ala	Glu	Cys	Val	Leu	Leu	Ala	Val	Met	Ala	Leu	Glu				
	115						120								

<210> 1826

<211> 216

<212> PRT

<213> Unknown (H38g744 protein)

<220>
 <223> Synthetic construct

<400> 1826

Ile	Leu	Glu	Ile	Ser	Phe	Thr	Thr	Val	Ser	Ile	Pro	Lys	Phe	Leu	Gly
1								10				15			
Asn	Ile	Ile	Ser	Gly	Asp	Lys	Thr	Ile	Ser	Phe	Asn	Asn	Cys	Ile	Val
	20							25				30			
Gln	Leu	Phe	Phe	Ile	Leu	Leu	Gly	Val	Thr	Glu	Phe	Tyr	Leu	Leu	
	35						40				45				
Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His
	50						55				60				
Tyr	Leu	Ser	Ile	Met	Asn	Arg	Arg	Val	Cys	Thr	Leu	Leu	Val	Phe	Thr
	65						70			75			80		
Ser	Trp	Leu	Val	Ser	Phe	Leu	Ile	Ile	Phe	Pro	Ala	Leu	Met	Leu	Leu
							85			90			95		
Leu	Lys	Leu	Asp	Tyr	Cys	Arg	Ser	Asn	Ile	Ile	Asp	His	Phe	Thr	Cys
	100						105					110			
Asp	Tyr	Phe	Pro	Leu	Leu	Gln	Leu	Ala	Cys	Ser	Asp	Thr	Lys	Phe	Leu
	115						120					125			
Glu	Val	Met	Gly	Phe	Ser	Cys	Ala	Ala	Phe	Thr	Leu	Met	Phe	Thr	Leu
	130						135				140				
Ala	Leu	Ile	Phe	Leu	Ser	Tyr	Ile	Ile	Arg	Thr	Ile	Leu	Arg		
	145						150			155			160		
Ile	Pro	Ser	Thr	Ser	Gln	Arg	Thr	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser
							165			170			175		
His	Met	Val	Val	Ile	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met	Tyr
	180						185					190			

Ile Lys Pro Ser Ala Lys Asp Arg Val Ser Leu Ser Lys Gly Val Ala
 195 200 205
 Ile Leu Asn Thr Ser Val Ala Pro
 210 215

<210> 1827
 <211> 219
 <212> PRT
 <213> Unknown (H38g745 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(219)
 <223> Xaa = Any Amino Acid

<400> 1827
 Phe Pro Asp Ile Gly Phe Thr Ser Thr Thr Val Pro Lys Met Ile Val
 1 5 10 15
 Asp Ile Gln Ser His Ser Arg Val Ile Ser Tyr Ala Gly Cys Leu Thr
 20 25 30
 Gln Met Ser Leu Phe Ala Ile Phe Gly Gly Met Glu Glu Asn Met Leu
 35 40 45
 Leu Ser Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys His Pro Leu
 50 55 60
 Tyr Arg Ser Ala Ile Leu Asn Pro Cys Phe Cys Gly Phe Leu Asp Leu
 65 70 75 80
 Leu Ser Phe Phe Ser Leu Ser Leu Leu Asp Ser Gln Leu His Asn
 85 90 95
 Leu Ile Ala Leu Gln Met Thr Cys Phe Lys Asp Val Glu Ile Pro Asn
 100 105 110
 Phe Phe Cys Asp Pro Ser Gln Leu Pro His Leu Ala Cys Cys Asp Thr
 115 120 125
 Phe Thr Asn Asn Ile Ile Met Tyr Phe Pro Ala Ala Ile Phe Gly Phe
 130 135 140
 Leu Gln Ile Ser Gly Thr Leu Phe Ser Tyr Tyr Lys Ile Val Ser Ser
 145 150 155 160
 Ile Leu Arg Val Ser Ser Ser Gly Gly Asn Tyr Lys Ala Phe Ser Thr
 165 170 175
 Cys Gly Ser His Leu Ser Val Val Cys Xaa Phe Tyr Gly Thr Gly Val
 180 185 190
 Gly Gly Tyr Leu Ser Ser Asp Val Ser Ser Ser Leu Arg Lys Ala Ala
 195 200 205
 Val Ala Ser Val Met Tyr Met Val Val Thr Pro
 210 215

<210> 1828
 <211> 268
 <212> PRT
 <213> Unknown (H38g746 protein)

<220>
 <223> Synthetic construct

<400> 1828
 Met Met Ala Leu Ile Phe Thr Asp Ser His Leu Gln Ser Pro Met Tyr
 1 5 10 15
 Phe Phe Leu Asn Val Leu Ser Phe Leu Asp Ile Cys Tyr Ser Ser Val
 20 25 30
 Val Thr Pro Lys Leu Leu Val Asn Phe Leu Val Ser Asp Lys Ser Ile

35	40	45
Ser Phe Glu Gly Cys Val Val Gln Leu Ala Phe Phe Val Val His Val		
50	55	60
Thr Ala Glu Ser Phe Leu Leu Ala Ser Met Ala Tyr Asp Arg Phe Leu		
65	70	75
Ala Ile Cys Gln Pro Leu His Tyr Gly Ser Ile Met Thr Arg Gly Thr		
85	90	95
Cys Leu Gln Leu Val Ala Val Ser Tyr Ala Phe Gly Gly Ala Asn Ser		
100	105	110
Ala Ile Gln Thr Gly Asn Val Phe Ala Leu Pro Phe Cys Gly Pro Asn		
115	120	125
Gln Leu Thr His Tyr Tyr Cys Asp Ile Pro Pro Leu Leu His Leu Ala		
130	135	140
Cys Ala Asn Thr Ala Thr Ala Arg Val Val Leu Tyr Val Phe Ser Ala		
145	150	155
Leu Val Thr Leu Leu Pro Ala Ala Val Ile Leu Thr Ser Tyr Cys Leu		
165	170	175
Val Leu Val Ala Ile Gly Arg Met Arg Ser Val Ala Gly Arg Glu Lys		
180	185	190
Asp Leu Ser Thr Cys Ala Ser His Phe Leu Ala Ile Ala Ile Phe Tyr		
195	200	205
Gly Thr Val Val Phe Thr Tyr Val Gln Pro His Gly Ser Thr Asn Asn		
210	215	220
Thr Asn Gly Gln Val Val Ser Val Phe Tyr Thr Ile Ile Ile Pro Met		
225	230	235
Leu Asn Pro Phe Ile Tyr Ser Leu Arg Asn Lys Glu Val Lys Gly Ala		
245	250	255
Leu Gln Arg Lys Leu Gln Val Asn Ile Phe Pro Gly		
260	265	

<210> 1829

<211> 316

<212> PRT

<213> Unknown (H38g747 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(316)

<223> Xaa = Any Amino Acid

<400> 1829

Met Asp Leu Gly Asn Gln Thr Arg Val Ser Glu Phe Leu Leu Gly			
1	5	10	15
Phe Ser Gln Asp Leu Glu Asp Gln Gln Leu Leu Phe Ala Leu Phe Leu			
20	25	30	
Ser Met Tyr Leu Val Thr Val Leu Gly Asn Leu Leu Ile Ile Leu Ala			
35	40	45	
Ile Ser Ser Asp Ser His Leu His Thr Pro Arg Tyr Phe Phe Leu Ser			
50	55	60	
Asn Leu Ser Leu Ala Asp Ile Gly Phe Thr Ser Thr Ala Val Pro Lys			
65	70	75	80
Met Leu Val Asn Ile Gln Val Gln Ser Asn Ala Ile Ser Tyr Ala Asp			
85	90	95	
Cys Ile Ala Gln Met Tyr Phe Phe Met Val Phe Gly Gly Met Asp Thr			
100	105	110	
Phe Leu Leu Thr Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His			
115	120	125	
Pro Leu Tyr Tyr Cys Val Thr Arg Asn Pro Cys Leu Cys Gly Leu Leu			
130	135	140	

Val Leu Val Ser Trp Phe Leu Ser Leu Ser Tyr Ser Leu Ile Gln Ser
 145 150 155 160
 Leu Leu Val Leu Arg Val Ser Phe Cys Thr Ser Xaa Val Ile Gln His
 165 170 175
 Phe Tyr Cys Glu Leu Ala Gln Val Leu Arg Leu Thr Cys Ser Asp Thr
 180 185 190
 His Val Asn Tyr Ile Leu Leu Tyr Val Val Ala Gly Leu Leu Asp Phe
 195 200 205
 Val Pro Phe Ser Gly Ile Leu Phe Ser Tyr Thr Gln Ile Val Ser Tyr
 210 215 220
 Ile Leu Arg Ile Ser Ser Thr Asp Gly Lys His Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Phe Val Val Ser Leu Phe Tyr Gly Thr Gly Leu
 245 250 255
 Gly Val Tyr Leu Ser Ser Asn Ala Ser Ser Ser Trp Trp Gly Met
 260 265 270
 Val Ala Ser Val Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro Phe
 275 280 285
 Ile Tyr Cys Leu Arg Asn Arg Asp Ile Lys Arg Thr Leu Glu Thr Leu
 290 295 300
 Leu Gly Arg Met Leu Tyr Ala Gln Xaa Arg Gly His
 305 310 315

<210> 1830

<211> 309

<212> PRT

<213> Unknown (H38g748 protein)

<220>

<223> Synthetic construct

<400> 1830

Met Glu Asn Cys Thr Glu Val Thr Lys Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Ser Val Pro Glu Leu Gln Ile Pro Leu Phe Ile Leu Phe Thr Phe Ile
 20 25 30
 Tyr Leu Leu Thr Leu Cys Gly Asn Leu Gly Met Met Leu Leu Ile Leu
 35 40 45
 Met Asp Ser Cys Leu His Thr Pro Met Tyr Phe Phe Leu Ser Asn Leu
 50 55 60
 Ser Leu Val Asp Phe Gly Tyr Ser Ser Ala Val Thr Pro Lys Val Met
 65 70 75 80
 Ala Gly Phe Leu Arg Gly Asp Lys Val Ile Ser Tyr Asn Ala Cys Ala
 85 90 95
 Val Gln Met Phe Phe Val Ala Leu Ala Thr Val Glu Asn Tyr Leu
 100 105 110
 Leu Ala Ser Met Ala Tyr Asp Arg Tyr Ala Ala Val Cys Lys Pro Leu
 115 120 125
 His Tyr Thr Thr Thr Met Thr Ala Ser Val Gly Ala Cys Leu Ala Leu
 130 135 140
 Gly Ser Tyr Val Cys Gly Phe Leu Asn Ala Ser Phe His Ile Gly Gly
 145 150 155 160
 Ile Phe Ser Leu Ser Phe Cys Lys Ser Asn Leu Val His His Phe Phe
 165 170 175
 Cys Asp Val Pro Ala Val Met Ala Leu Ser Cys Ser Asp Lys His Thr
 180 185 190
 Ser Glu Val Ile Leu Val Phe Thr Ser Ser Phe Asn Ile Phe Phe Val
 195 200 205
 Leu Leu Val Ile Phe Ile Ser Tyr Leu Phe Ile Phe Ile Thr Ile Leu
 210 215 220
 Lys Met His Ser Ala Lys Gly His Gln Lys Ala Leu Ser Thr Cys Ala

225	230	235	240
Ser His Phe Thr Ala Val Ser Val Phe Tyr Gly Thr Val Ile Phe Ile			
245	250	255	
Tyr Leu Gln Pro Ser Ser Ser His Ser Met Asp Thr Asp Lys Met Ala			
260	265	270	
Ser Val Phe Tyr Ala Met Ile Ile Pro Met Leu Asn Pro Val Val Tyr			
275	280	285	
Ser Leu Arg Asn Arg Glu Val Gln Asn Ala Phe Lys Lys Val Leu Arg			
290	295	300	
Arg Gln Lys Phe Leu			
305			

<210> 1831

<211> 313

<212> PRT

<213> Unknown (H38g749 protein)

<220>

<223> Synthetic construct

<400> 1831

Met His Thr Met Val Glu Asn His Thr Gln Val Thr Trp Phe Arg Leu			
1	5	10	15
Leu Gly Leu Thr Glu Gln Glu Glu Leu Arg Gly Ile Leu Phe Val Leu			
20	25	30	
Phe Leu Leu Met His Ser Val Thr Val Met Gly Asn Leu Gly Met Ile			
35	40	45	
Thr Leu Ile His Ala Asp Pro Gln Leu His Thr Pro Met Tyr Phe Phe			
50	55	60	
Leu Ser Val Leu Ser Phe Ile Asp Ser Ser Phe Ser Thr Val Asp Thr			
65	70	75	80
Pro Arg Leu Leu Glu Ser Phe Leu Ile Ser Ser Gln Ser Ile Ser Phe			
85	90	95	
Ala Gly Cys Met Val Gln Met Ala Leu Met Ile Leu His Gly Thr Ala			
100	105	110	
Glu Cys Leu Leu Leu Ala Ile Met Ala Tyr Asp Arg Phe Thr Ala Ile			
115	120	125	
Cys His Pro Leu Leu Tyr His Thr Ile Ile Ser Gln Cys Leu Cys Ala			
130	135	140	
Leu Leu Val Val Thr Cys Tyr Thr Val Ser Val Ala Asn Ser Ala Leu			
145	150	155	160
Leu Thr Gly Cys Ile Phe Lys Leu Pro Tyr Cys Gly Pro Asn Val Ile			
165	170	175	
Asn His Tyr Phe Cys Asp Ile Pro Pro Val Leu Gln Leu Ala Gly Ala			
180	185	190	
Asp Thr Tyr Glu Val Glu Thr Ile Ile Phe Ser Leu Cys Ala Leu Leu			
195	200	205	
Ile Leu Phe Thr Ile Thr Ile Ile Pro Val Ser Tyr Ala Tyr Ile Leu			
210	215	220	
Val Thr Ile Cys Arg Met Arg Ser Leu Gln Ala Gln Ser Lys Ala Leu			
225	230	235	240
Ser Thr Cys Ala Ser His Leu Thr Ile Ile Cys Leu Phe Tyr Ser Thr			
245	250	255	
Ile Thr Phe Met Tyr Ala Gln Pro Ser Ser His Asn Ser Met Glu His			
260	265	270	
Asn Lys Val Met Ser Val Phe Tyr Thr Val Val Ile Arg Arg Leu Asn			
275	280	285	
Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Tyr Ala Leu Lys			
290	295	300	
Arg Arg Cys Leu Cys Lys Leu Ser Ser			
305	310		

<210> 1832
 <211> 314
 <212> PRT
 <213> Unknown (H38g750 protein)

<220>
 <223> Synthetic construct

<400> 1832

Met	Glu	Asn	Lys	Thr	Glu	Val	Thr	Gln	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1					5			10					15		
Asn	Asp	Ser	Glu	Leu	Gln	Val	Pro	Leu	Phe	Ile	Thr	Phe	Pro	Phe	Ile
					20			25					30		
Tyr	Ile	Ile	Thr	Leu	Val	Gly	Asn	Leu	Gly	Ile	Ile	Val	Leu	Ile	Phe
					35			40					45		
Trp	Asp	Ser	Cys	Leu	His	Asn	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Leu
					50			55					60		
Ser	Leu	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Ala	Val	Thr	Pro	Ile	Val	Met
					65			70			75		80		
Ala	Gly	Phe	Leu	Ile	Glu	Asp	Lys	Val	Ile	Ser	Tyr	Asn	Ala	Cys	Ala
					85			90					95		
Ala	Gln	Met	Tyr	Ile	Phe	Val	Ala	Phe	Ala	Thr	Val	Glu	Asn	Tyr	Leu
					100			105					110		
Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Lys	Pro	Leu
					115			120					125		
His	Tyr	Thr	Thr	Met	Thr	Thr	Thr	Val	Cys	Ala	Arg	Leu	Ala	Ile	
					130			135			140				
Gly	Ser	Tyr	Leu	Cys	Gly	Phe	Leu	Asn	Ala	Ser	Ile	His	Thr	Gly	Asp
					145			150			155		160		
Thr	Phe	Ser	Leu	Ser	Phe	Cys	Lys	Ser	Asn	Glu	Val	His	His	Phe	
					165			170			175				
Cys	Asp	Ile	Pro	Ala	Val	Met	Val	Leu	Ser	Cys	Ser	Asp	Arg	His	Ile
					180			185					190		
Ser	Glu	Leu	Val	Leu	Ile	Tyr	Val	Val	Ser	Phe	Asn	Ile	Phe	Ile	Ala
					195			200					205		
Leu	Leu	Val	Ile	Leu	Ile	Ser	Tyr	Thr	Phe	Ile	Phe	Ile	Thr	Ile	Leu
					210			215					220		
Lys	Met	His	Ser	Ala	Ser	Val	Tyr	Gln	Lys	Pro	Leu	Ser	Thr	Cys	Ala
					225			230			235		240		
Ser	His	Phe	Ile	Ala	Val	Gly	Ile	Phe	Tyr	Gly	Thr	Ile	Ile	Phe	Met
					245			250					255		
Tyr	Leu	Gln	Pro	Ser	Ser	Ser	His	Ser	Met	Asp	Thr	Asp	Lys	Met	Ala
					260			265					270		
Pro	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Val	Tyr
					275			280					285		
Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Phe	Lys	Lys	Val	Val	Glu
					290			295					300		
Lys	Ala	Lys	Leu	Ser	Val	Gly	Trp	Ser	Val						
					305			310							

<210> 1833
 <211> 312
 <212> PRT
 <213> Unknown (H38g751 protein)

<220>
 <223> Synthetic construct

<400> 1833
 Met Asn Asn Ser Asp Thr Arg Ile Ala Gly Cys Phe Leu Thr Gly Ile

1	5	10	15												
Pro	Gly	Leu	Glu	Gln	Leu	His	Ile	Trp	Leu	Ser	Ile	Pro	Phe	Cys	Ile
		20			25							30			
Met	Tyr	Ile	Ala	Ala	Leu	Glu	Gly	Asn	Gly	Ile	Leu	Ile	Cys	Val	Ile
		35			40							45			
Leu	Ser	Gln	Ala	Ile	Leu	His	Glu	Pro	Met	Tyr	Ile	Phe	Leu	Ser	Met
		50			55						60				
Leu	Ala	Ser	Ala	Asp	Val	Leu	Leu	Ser	Thr	Thr	Thr	Met	Pro	Lys	Ala
		65			70						75		80		
Leu	Ala	Asn	Leu	Trp	Leu	Gly	Tyr	Ser	His	Ile	Ser	Phe	Asp	Gly	Cys
		85			90						95				
Leu	Thr	Gln	Lys	Phe	Phe	Ile	His	Phe	Leu	Phe	Ile	His	Ser	Ala	Val
		100			105						110				
Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser	Pro	Leu
		115			120						125				
Arg	Tyr	Val	Thr	Ile	Leu	Thr	Ser	Lys	Val	Ile	Gly	Lys	Ile	Val	Thr
		130			135						140				
Ala	Thr	Leu	Ser	Arg	Ser	Phe	Ile	Ile	Met	Phe	Pro	Ser	Ile	Phe	Leu
		145			150					155		160			
Leu	Glu	His	Leu	His	Tyr	Cys	Gln	Ile	Asn	Ile	Ile	Ala	His	Thr	Phe
		165			170						175				
Cys	Glu	His	Met	Gly	Ile	Ala	His	Leu	Ser	Cys	Ser	Asp	Ile	Ser	Ile
		180			185						190				
Asn	Val	Trp	Tyr	Gly	Leu	Ala	Ala	Leu	Leu	Ser	Thr	Gly	Leu	Asp	
		195			200						205				
Ile	Met	Leu	Ile	Thr	Val	Ser	Tyr	Ile	His	Ile	Leu	Gln	Ala	Val	Phe
		210			215						220				
Arg	Leu	Leu	Ser	Gln	Asp	Ala	Arg	Ser	Lys	Ala	Leu	Ser	Thr	Cys	Gly
		225			230					235		240			
Ser	His	Ile	Cys	Val	Ile	Leu	Leu	Phe	Tyr	Val	Pro	Ala	Leu	Phe	Ser
		245			250					255					
Val	Phe	Ala	Tyr	Arg	Phe	Gly	Gly	Arg	Ser	Ile	Pro	Cys	Tyr	Val	His
		260			265						270				
Ile	Leu	Leu	Ala	Ser	Leu	Tyr	Val	Val	Ile	Pro	Pro	Met	Leu	Asn	Pro
		275			280						285				
Val	Ile	Tyr	Gly	Val	Arg	Thr	Lys	Pro	Ile	Leu	Glu	Gly	Ala	Lys	Gln
		290			295						300				
Met	Phe	Ser	Asn	Leu	Ala	Lys	Gly								
	305			310											

<210> 1834

<211> 332

<212> PRT

<213> Unknown (H38g752 protein)

<220>

<223> Synthetic construct

<400> 1834

Ser	Ile	Leu	Phe	Leu	Tyr	Phe	Ser	Leu	Leu	Gln	Ala	Ser	Ser	Asp	Phe
1		5			10						15				
Leu	Ile	Thr	Leu	Met	Lys	Asn	Cys	Thr	Glu	Val	Thr	Glu	Ile	Leu	
		20			25						30				
Leu	Gly	Leu	Thr	Asn	Ala	Pro	Glu	Leu	Gln	Val	Pro	Leu	Leu	Ile	Met
		35			40						45				
Phe	Thr	Leu	Ile	Tyr	Leu	Val	Asn	Val	Val	Gly	Asn	Leu	Gly	Met	Ile
		50			55						60				
Val	Leu	Ile	Val	Trp	Asp	Ile	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe
		65			70					75		80			
Leu	Ser	His	Leu	Ser	Leu	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Ala	Val	Thr
		85			90						95				

Pro Thr Val Ile Ala Gly Leu Val Ile Gly Asp Lys Val Ile Ser Tyr
 100 105 110
 Asn Ala Cys Ala Ala Gln Met Phe Phe Phe Ala Ala Phe Ala Thr Val
 115 120 125
 Glu Asn Phe Leu Leu Ala Ser Met Ala Tyr Asp Arg Tyr Asp Ala Val
 130 135 140
 Cys Lys Pro Leu His Tyr Thr Thr Met Thr Thr Ser Val Cys Ala
 145 150 155 160
 Cys Leu Ala Ile Ile Cys Tyr Val Cys Gly Phe Leu Asn Ala Ser Ile
 165 170 175
 His Ile Gly Glu Thr Phe Ser Leu Ser Phe Cys Met Ser Asn Glu Val
 180 185 190
 His Cys Phe Phe Cys Asp Val Pro Pro Val Met Ala Leu Ser Cys Cys
 195 200 205
 Asp Arg His Val Asn Glu Leu Val Leu Ile Tyr Val Ala Ser Phe Asn
 210 215 220
 Ile Phe Ser Ala Ile Leu Val Ile Leu Ile Ser Tyr Leu Phe Ile Phe
 225 230 235 240
 Ile Thr Ile Leu Lys Met His Ser Ala Ser Gly Tyr Gln Lys Ala Leu
 245 250 255
 Ser Thr Cys Ala Ser His Leu Thr Ala Val Ile Ile Phe Tyr Gly Thr
 260 265 270
 Ile Ile Phe Met Tyr Leu Gln Pro Ser Ser Gly His Ser Met Asp Thr
 275 280 285
 Asp Lys Leu Ala Ser Val Phe Tyr Thr Met Ile Ile Pro Met Leu Asn
 290 295 300
 Pro Leu Val Tyr Ser Leu Arg Asn Asn Glu Val Lys Ser Ala Phe Lys
 305 310 315 320
 Lys Val Ile Glu Lys Ala Lys Leu Ser Leu Leu Leu
 325 330

<210> 1835

<211> 318

<212> PRT

<213> Unknown (H38g753 protein)

<220>

<223> Synthetic construct

<400> 1835

Met Ser Asp Ser Asn Leu Ser Asp Asn His Leu Pro Asp Thr Phe Phe
 1 5 10 15
 Leu Thr Gly Ile Pro Gly Leu Glu Ala Ala His Phe Trp Ile Ala Ile
 20 25 30
 Pro Phe Cys Ala Met Tyr Leu Val Ala Leu Val Gly Asn Ala Ala Leu
 35 40 45
 Ile Leu Val Ile Ala Met Asp Asn Ala Leu His Ala Pro Met Tyr Leu
 50 55 60
 Phe Leu Cys Leu Leu Ser Leu Thr Asp Leu Ala Leu Ser Ser Thr Thr
 65 70 75 80
 Val Pro Lys Met Leu Ala Ile Leu Trp Leu His Ala Gly Glu Ile Ser
 85 90 95
 Phe Gly Gly Cys Leu Ala Gln Met Phe Cys Val His Ser Ile Tyr Ala
 100 105 110
 Leu Glu Ser Ser Ile Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala
 115 120 125
 Ile Cys Asn Pro Leu Arg Tyr Thr Thr Ile Leu Asn His Ala Val Ile
 130 135 140
 Gly Arg Ile Gly Phe Val Gly Leu Phe Arg Ser Val Ala Ile Val Ser
 145 150 155 160
 Pro Phe Ile Phe Leu Leu Arg Arg Leu Pro Tyr Cys Gly His Arg Val

165	170	175
Met Thr His Thr Tyr Cys Glu His	Met Gly Ile Ala Arg Leu Ala Cys	
180	185	190
Ala Asn Ile Thr Val Asn Ile Val	Tyr Gly Leu Thr Val Ala Leu Leu	
195	200	205
Ala Met Gly Leu Asp Ser Ile Leu	Ile Ala Ile Ser Tyr Gly Phe Ile	
210	215	220
Leu His Ala Val Phe His	Leu Pro Ser His Asp Ala Gln His Lys Ala	
225	230	240
Leu Ser Thr Cys Gly Ser His Ile	Gly Ile Ile Leu Val Phe Tyr Ile	
245	250	255
Pro Ala Phe Phe Ser Phe Leu	Thr His Arg Phe Gly His His Glu Val	
260	265	270
Pro Lys His Val His Ile Phe	Leu Ala Asn Leu Tyr Val Leu Val Pro	
275	280	285
Pro Val Leu Asn Pro Ile Leu	Tyr Gly Ala Arg Thr Lys Glu Ile Arg	
290	295	300
Ser Arg Leu Leu Lys Leu Leu	His Leu Gly Lys Thr Ser Ile	
305	310	315

<210> 1836

<211> 330

<212> PRT

<213> Unknown (H38g754 protein)

<220>

<223> Synthetic construct

<400> 1836

His Ile Glu Pro Gly Asn Asp Thr Gln Ile Ser Glu Phe Leu Leu			
1	5	10	15
Gly Leu Ser Asp Lys Pro Glu Leu Gln Pro Phe Leu Phe Gly Leu Phe			
20	25	30	
Phe Ser Met Tyr Leu Val Thr Val Leu Gly Asn Leu Leu Ile Ile Leu			
35	40	45	
Ala Thr Ile Ser Asp Ser His Leu His Thr Pro Val Tyr Phe Phe Leu			
50	55	60	
Ser Asn Leu Ser Phe Ala Asp Ile Cys Phe Ile Ser Thr Thr Ile Pro			
65	70	75	80
Lys Met Leu Val Asn Ile Gln Thr Gln Ser Arg Val Ile Thr Tyr Ala			
85	90	95	
Gly Cys Ile Thr Gln Met Cys Phe Phe Val Leu Leu Glu Ala Leu Asp			
100	105	110	
Ser Leu Leu Leu Thr Val Met Ala Tyr Asp Gln Phe Val Ala Ile Cys			
115	120	125	
His Pro Leu His Tyr Met Val Ile Met Ser Pro Trp Phe Cys Gly Leu			
130	135	140	
Leu Val Leu Ala Ser Trp Ile Ile Met Ser Pro Trp Leu Cys Gly Leu			
145	150	155	160
Leu Val Leu Ala Ser Trp Ile Ile Ser Asp Leu Asp Ser Ser Leu His			
165	170	175	
Ser Leu Met Val Leu Ser Leu Pro Phe Cys Thr Asp Phe Gln Ile Pro			
180	185	190	
His Phe Val Tyr Glu Leu Asn Gln Val Ile Arg Leu Ala Gly Ser Asp			
195	200	205	
Thr Phe Leu Asn Asp Met Ala Met Tyr Phe Ala Val Gly Pro Leu Gly			
210	215	220	
Gly Val Pro Leu Ala Gly Ile Leu Tyr Leu Tyr Cys Lys Ile Val Phe			
225	230	235	240
Ser Ile Arg Ala Ile Ser Ser Ala Gln Gly Lys Tyr Lys Ala Phe Ser			
245	250	255	

Thr Cys Ala Ser His Leu Ser Val Val Ser Leu Phe Tyr Gly Arg Ser
 260 265 270
 Leu Gly Val Tyr Phe Ser Ser Ala Pro Thr Gln Asn Ser His Ser Gly
 275 280 285
 Ala Ala Ala Ser Val Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro
 290 295 300
 Phe Ile Cys Ser Leu Arg Asn Lys Asp Ile Lys Arg Ala Leu Asn Gln
 305 310 315 320
 Phe Ile Arg Val Val Pro Phe Phe Arg Lys
 325 330

<210> 1837

<211> 312

<212> PRT

<213> Unknown (H38g755 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(312)

<223> Xaa = Any Amino Acid

<400> 1837

Thr Thr Ser Ile Asp Asp Asn Thr Glu Val Asn Glu Phe Ile Xaa Leu
 1 5 10 15
 Gly Leu Thr Lys Ala Pro Glu Leu Gln Val His Leu Phe Val Leu Phe
 20 25 30
 Asn Phe Ile Tyr Leu Phe Thr Leu Ser Gly Asn Leu Gly Met Met Leu
 35 40 45
 Leu Ile Leu Leu Asp Ser Arg Leu His Thr Ser Met Tyr Phe Phe Leu
 50 55 60
 Ser Asn Leu Ser Leu Val Asp Phe Cys Tyr Ser Glu Thr Val Thr Pro
 65 70 75 80
 Lys Met Met Ala Gly Leu Leu Ile Ala His Lys Val Ile Ser Tyr Asn
 85 90 95
 Val Cys Ala Ala Gln Met Phe Phe Phe Ala Val Phe Ala Thr Val Glu
 100 105 110
 Ser Tyr Phe Leu Thr Ser Val Ala Tyr Asp Cys Tyr Arg Val Met Cys
 115 120 125
 Lys Pro Leu His Tyr Thr Thr Met Thr Thr Asn Val Cys Ala Ser
 130 135 140
 Leu Ala Ile Ala Cys Tyr Val Leu Gly Leu Leu Thr Ala Ala Val Asp
 145 150 155 160
 Ile Gly Asp Ile Cys Met Ser Asn Glu Ile His His Phe Phe Cys Asp
 165 170 175
 Ile Leu Ala Val Met Thr Leu Thr Cys Ser Asn Lys His Ile Asn Glu
 180 185 190
 Leu Ile Leu Val Leu Leu Gln Ala Ile Phe Phe Thr Leu Leu Val Ile
 195 200 205
 Leu Ile Ser Cys Leu Phe Val Phe Val Phe Val Thr Ile Leu Lys Met
 210 215 220
 His Leu Phe Lys Ser Tyr Lys Lys Val Leu Ser Thr Tyr Gly Ser His
 225 230 235 240
 Leu Thr Ala Val Pro Leu Phe Tyr Glu Thr Val Leu Ile Thr Tyr Val
 245 250 255
 Gln Pro Ser Ser His Phe Met Asn Thr Glu Lys Ile Val Ser Val
 260 265 270
 Phe His Ile Met Val Ile Pro Met Leu Ile Pro Val Val Tyr Ser Leu
 275 280 285
 Arg Asn Asn Glu Val Lys Ser Ala Phe Lys Thr Val Val Glu Glu Thr

290	295	300
Lys Tyr Phe Leu Gly Leu Val Phe		
305	310	

<210> 1838
 <211> 315
 <212> PRT
 <213> Unknown (H38g756 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(315)
 <223> Xaa = Any Amino Acid

<400> 1838

Met	Gly	Gly	Phe	Gly	Thr	Asn	Ile	Ser	Ser	Thr	Thr	Ser	Phe	Thr	Leu	
1															15	
Thr	Gly	Phe	Pro	Glu	Met	Lys	Gly	Leu	Glu	His	Trp	Leu	Ala	Ala	Leu	
															30	
Leu	Leu	Leu	Leu	Cys	Ala	Ile	Ser	Phe	Leu	Gly	Asn	Ile	Leu	Ile	Leu	
															45	
Phe	Ile	Ile	Lys	Glu	Glu	Gln	Ser	Leu	His	Gln	Pro	Met	Tyr	Tyr	Phe	
															60	
Leu	Ser	Leu	Phe	Ser	Val	Asn	Asp	Leu	Gly	Val	Ser	Phe	Ser	Thr	Leu	
															80	
Pro	Thr	Val	Leu	Ala	Ala	Val	Cys	Phe	His	Ala	Pro	Glu	Thr	Thr	Phe	
															95	
Asp	Ala	Cys	Leu	Ala	Gln	Thr	Phe	Phe	Ile	His	Phe	Ser	Ser	Trp	Thr	
															110	
Glu	Phe	Gly	Ile	Leu	Leu	Ala	Met	Ser	Phe	Asp	His	Tyr	Val	Ala	Ile	
															125	
Cys	Asn	Pro	Leu	Arg	Tyr	Ala	Thr	Val	Leu	Thr	Asp	Val	Arg	Val	Ala	
															140	
His	Asn	Gly	Ile	Ser	Ile	Val	Ile	Arg	Ser	Phe	Cys	Met	Val	Phe	Pro	
															160	
Leu	Pro	Phe	Leu	Leu	Lys	Arg	Leu	Pro	Phe	Cys	Lys	Ala	Ser	Val	Val	
															175	
Leu	Ala	His	Ser	Tyr	Cys	Leu	His	Ala	Asp	Leu	Ile	Arg	Leu	Pro	Cys	
															190	
Gly	Asp	Thr	Thr	Ile	Asn	Ser	Met	Tyr	Gly	Leu	Phe	Ile	Val	Ile	Ser	
															205	
Ala	Phe	Gly	Val	Asp	Ser	Leu	Ile	Leu	Leu	Ser	Tyr	Val	Leu	Ile		
															220	
Leu	His	Ser	Val	Leu	Ala	Ile	Ala	Ser	Arg	Gly	Glu	Arg	Leu	Lys	Thr	
															240	
Leu	Asn	Thr	Cys	Val	Ser	His	Ile	Tyr	Ala	Val	Leu	Ile	Phe	Tyr	Val	
															255	
Pro	Met	Val	Ser	Val	Ser	Met	Val	His	Arg	Phe	Gly	Arg	His	Ala	Pro	
															270	
Glu	Tyr	Val	His	Lys	Phe	Met	Ser	Ser	Leu	Tyr	Leu	Pro	Met	Leu	Tyr	
															285	
Pro	Ile	Ile	Tyr	Ser	Ile	Lys	Thr	Lys	Glu	Ile	Arg	Arg	Arg	Leu	His	
															300	
Lys	Met	Leu	Leu	Gly	Ala	Lys	Phe	Xaa	Ser	Lys						
															315	

<210> 1839
 <211> 329
 <212> PRT

<213> Unknown (H38g757 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(329)

<223> Xaa = Any Amino Acid

<400> 1839

Met	Glu	Pro	Glu	Asn	Asp	Thr	Arg	Ile	Ser	Glu	Phe	Arg	Leu	Leu	Gly
1										10					15
Phe	Ser	Glu	Glu	Pro	Arg	Leu	Gln	Arg	Phe	Arg	Phe	Leu	Phe	Gly	Val
										25					30
Phe	Leu	Ser	Met	Tyr	Leu	Ile	Ile	Val	Phe	Gly	Asn	Leu	Leu	Ile	Ile
										40					45
Leu	Val	Ile	Ile	Leu	Cys	Ser	His	Leu	His	Thr	Ser	Met	Tyr	Phe	Phe
										55					60
Leu	Ser	Asn	Leu	Ser	Phe	Val	Asp	Ile	Cys	Phe	Ala	Ser	Thr	Arg	Val
										75					80
Pro	Lys	Met	Leu	Val	Asn	Ile	Gln	Ala	Gln	Ser	Lys	Val	Ile	Thr	Ser
										90					95
Ala	Gly	Cys	Ile	Thr	Gln	Met	Tyr	Phe	Phe	Ile	His	Phe	Val	Gly	Leu
										105					110
Asp	Ser	Phe	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile
										120					125
Cys	His	Pro	Leu	Tyr	Tyr	Thr	Val	Ile	Met	Asn	Pro	Gln	Leu	Cys	Gly
										135					140
Leu	Leu	Val	Leu	Val	Ser	Trp	Ile	Thr	Ser	Val	Leu	His	Ser	Leu	Leu
										150					160
His	Ser	Leu	Met	Val	Leu	Gln	Leu	Ser	Leu	Cys	Arg	Glu	Leu	Glu	Ile
										165					175
Pro	His	Phe	Phe	Cys	Glu	Leu	Asn	Gln	Val	Ile	His	Leu	Ala	Cys	Ser
										180					190
Asp	Thr	Phe	Leu	Asn	Asp	Met	Val	Met	Tyr	Leu	Ala	Ala	Val	Leu	Leu
										195					205
Gly	Gly	Ser	Leu	Ala	Gly	Ile	Leu	Tyr	Ser	Tyr	Ser	Lys	Thr	Val	
										210					220
Ser	Ser	Ile	Cys	Ala	Ile	Ser	Ser	Ala	Gln	Gly	Lys	Tyr	Lys	Ala	Phe
										225					240
Ser	Thr	Cys	Pro	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Cys	Thr
										245					255
Ser	Leu	Gly	Val	Tyr	Leu	Ser	Ser	Ala	Ala	Ser	His	Asn	Ser	His	Ser
										260					270
Gly	Ala	Ile	Ala	Ser	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn
										275					285
Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Arg	Ala	Leu	Lys
										290					300
Asn	Ser	Leu	Gly	Gly	Lys	Leu	Glu	Lys	Gly	Gln	Leu	Ser	Leu	Gly	Leu
										305					320
Lys	Leu	Tyr	Pro	Xaa	Leu	Gln	Gly	Ser							
										325					

<210> 1840

<211> 320

<212> PRT

<213> Unknown (H38g758 protein)

<220>

<223> Synthetic construct

<400> 1840

Met	Glu	Arg	Gly	Asn	Gln	Thr	Glu	Val	Gly	Asn	Phe	Leu	Leu	Leu	Gly
1									10						15
Phe	Ala	Glu	Asp	Ser	Asp	Met	Gln	Leu	Leu	Leu	His	Gly	Leu	Phe	Leu
									20						30
Ser	Met	Tyr	Leu	Val	Thr	Ile	Ile	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Thr
									35						45
Ile	Ser	Ser	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
									50						60
Asn	Leu	Ser	Phe	Ala	Asp	Ile	Cys	Phe	Thr	Ser	Thr	Thr	Val	Pro	Lys
									65						80
Met	Leu	Val	Asn	Ile	Gln	Thr	Gln	Ser	Lys	Met	Ile	Thr	Phe	Ala	Gly
									85						95
Cys	Leu	Thr	Gln	Ile	Phe	Phe	Ile	Ala	Phe	Gly	Cys	Leu	Asp	Asn	
									100						110
Leu	Leu	Leu	Thr	Met	Thr	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Tyr
									115						125
Pro	Leu	His	Tyr	Thr	Val	Ile	Met	Asn	Pro	Arg	Leu	Cys	Gly	Leu	Leu
									130						140
Val	Leu	Gly	Ser	Trp	Cys	Ile	Ser	Val	Met	Gly	Ser	Leu	Leu	Glu	Thr
									145						160
Leu	Thr	Ile	Leu	Arg	Leu	Ser	Ser	Cys	Thr	Asn	Met	Glu	Ile	Cys	Tyr
									165						175
Phe	Phe	Cys	Asp	Pro	Ser	Glu	Val	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr
									180						190
Phe	Ile	Asn	Asn	Ile	Val	Met	Cys	Phe	Val	Thr	Ile	Val	Leu	Gly	Val
									195						205
Phe	Pro	Leu	Cys	Gly	Ile	Leu	Phe	Ser	Tyr	Ser	Gln	Ile	Phe	Ser	Ser
									210						220
Val	Leu	Arg	Val	Ser	Ser	Ala	Arg	Gly	Gln	His	Lys	Ala	Phe	Thr	Thr
									225						240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Gly	Leu
									245						255
Gly	Val	Tyr	Leu	Ser	Ser	Ala	Val	Thr	Pro	Pro	Ser	Arg	Thr	Ser	Leu
									260						270
Ala	Ala	Ser	Val	Met	His	Thr	Met	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
									275						285
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Gly	Ser	Leu	Gly	Arg	Leu
									290						300
Leu	Leu	Arg	Ala	Thr	Ser	Leu	Lys	Glu	Gly	Thr	Ile	Ala	Lys	Leu	Ser
									305						320

<210> 1841

<211> 328

<212> PRT

<213> Unknown (H38g759 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(328)

<223> Xaa = Any Amino Acid

<400> 1841

Tyr	Thr	Asp	Pro	Gln	Asn	Leu	Thr	Asp	Val	Phe	Ile	Phe	Leu	Leu	
1									5						15
Glu	Leu	Ser	Glu	Asp	Pro	Ala	Leu	Gln	Leu	Val	Val	Thr	Gly	Leu	Cys
									20						30
Leu	Met	Cys	Leu	Val	Thr	Val	Leu	Trp	Asn	Leu	Leu	Ser	Ile	Leu	Ala
									35						45

Val Ser Pro Asp Ser His Leu His Thr Pro Met His Phe Phe Leu Cys
 50 55 60
 Asn Leu Ser Leu Pro Asp Ile Gly Phe Thr Ser Thr Thr Val Pro Lys
 65 70 75 80
 Met Ile Val Asp Ile Gln Ser His Ser Arg Val Ile Ser Tyr Ala Gly
 85 90 95
 Cys Leu Thr Gln Met Ser Leu Ser Ala Ile Phe Gly Gly Met Glu Glu
 100 105 110
 Asn Met Leu Leu Ser Val Met Ala Tyr Asp Gln Phe Val Ala Ile Cys
 115 120 125
 His Pro Leu Tyr His Ser Ala Ile Met Asn Pro Cys Phe Cys Gly Phe
 130 135 140
 Leu Val Leu Leu Ser Phe Phe Ser Val Phe Xaa His Ser Gln Leu
 145 150 155 160
 Gln Asn Leu Ile Ala Leu Gln Ile Thr Cys Phe Lys Asp Val Glu Ile
 165 170 175
 Pro Asn Phe Phe Cys Asp Pro Ser Gln Leu Pro His Leu Ala Cys Cys
 180 185 190
 Asp Thr Phe Thr Asn Asn Ile Ile Met Tyr Phe Pro Ala Ala Ile Phe
 195 200 205
 Gly Phe Leu Pro Ile Ser Gly Thr Leu Phe Ser Tyr Tyr Lys Ile Val
 210 215 220
 Ser Ser Ile Leu Arg Val Ser Ser Ser Gly Gly Ser Tyr Lys Ala Phe
 225 230 235 240
 Ala Thr Cys Gly Ser His Leu Ser Val Val Cys Xaa Phe Tyr Gly Thr
 245 250 255
 Gly Val Gly Gly Tyr Leu Ser Ser Asp Val Ser Ser Ser Leu Arg Lys
 260 265 270
 Arg Ala Val Ala Ser Val Met Tyr Thr Val Val Thr Pro Met Leu Asn
 275 280 285
 Pro Leu Ile Tyr Ser Leu Arg Asn Arg Asp Ile Lys Gly Val Leu Trp
 290 295 300
 Gln Pro Cys Ser Arg Thr Ala Ala Gln Ser Pro Ser Gln Tyr Leu His
 305 310 315 320
 Leu Phe His Ser Phe Cys Arg Met
 325

<210> 1842

<211> 210

<212> PRT

<213> Unknown (H38g760 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(210)

<223> Xaa = Any Amino Acid

<400> 1842

Ser Val Lys Tyr Leu Asn Glu Ser Phe Pro Glu Asp Phe Ile Leu Met
 1 5 10 15
 Gly Phe Val Lys Tyr Pro Trp Leu Asp Phe Leu Leu Phe Cys Val Leu
 20 25 30
 Leu Thr Phe Tyr Met Phe Thr Leu Leu Gly Asn Ser Ala Ile Ile Leu
 35 40 45
 Val Ser Gln Leu Asp Ser Gln Leu His Ser Pro Met Tyr Phe Leu Leu
 50 55 60
 Thr Ser Leu Ser Val Leu Tyr Leu Cys Phe Thr Thr Thr Val Pro
 65 70 75 80
 Gln Met Leu Phe Asn Leu Gly Gly Thr Asn Lys Asn Ile Thr Xaa Ile

85	90	95
Gly Cys Met Ala Gln Ala Tyr Val Phe His Trp Leu Ala Cys Ile Glu		
100	105	110
Cys Val Leu Leu Gly Ile Val Ala Leu Asp Cys Tyr Val Ala Val Cys		
115	120	125
Lys Pro Pro Arg Tyr Thr Ile Ile Ile Asp His Lys Val Cys Leu His		
130	135	140
Leu Ser Ser Thr Ala Trp Leu Ile Gly Leu Ala Asn Ser Leu Leu Gln		
145	150	155
Ser Thr Ile Thr Ile Gln Leu Pro Leu Xaa Arg Cys Ile Ala Gln Ile		
165	170	175
Phe Leu Xaa Leu Glu Ser Val Thr Xaa Gln Ser Leu Thr Val Thr Tyr		
180	185	190
Leu Xaa Asp Leu Leu Gln His Ser Ile Xaa Gly Gln Leu His Ala Gly		
195	200	205
Glu Leu		
210		

<210> 1843

<211> 315

<212> PRT

<213> Unknown (H38g761 protein)

<220>

<223> Synthetic construct

<400> 1843

Met Glu Pro Glu Lys Gln Thr Glu Ile Ser Glu Phe Phe Leu Gln Gly			
1	5	10	15
Leu Ser Glu Lys Pro Glu His Gln Thr Leu Leu Phe Thr Met Phe Leu			
20	25	30	
Ser Thr Tyr Leu Val Thr Ile Ile Gly Asn Ala Leu Ile Ile Leu Ala			
35	40	45	
Ile Ile Thr Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Phe			
50	55	60	
Asn Leu Ser Leu Val Asp Thr Leu Leu Ser Ser Thr Thr Val Pro Lys			
65	70	75	80
Met Leu Ala Asn Ile Gln Ala Gln Ser Arg Ala Ile Pro Phe Val Gly			
85	90	95	
Cys Leu Thr Gln Met Tyr Ala Phe His Leu Phe Gly Thr Met Asp Ser			
100	105	110	
Phe Leu Leu Ala Val Met Ala Ile Asp Arg Phe Val Ala Ile Val His			
115	120	125	
Pro Gln Arg Tyr Leu Val Leu Met Cys Ser Pro Val Cys Gly Leu Leu			
130	135	140	
Leu Gly Ala Ser Trp Met Ile Thr Asn Leu Gln Ser Leu Ile His Thr			
145	150	155	160
Cys Leu Met Ala Gln Leu Thr Phe Cys Ala Gly Ser Glu Ile Ser His			
165	170	175	
Phe Phe Cys Asp Leu Met Pro Leu Leu Lys Leu Ser Gly Ser Asp Thr			
180	185	190	
His Thr Asn Glu Leu Val Ile Phe Ala Phe Gly Ile Val Val Gly Thr			
195	200	205	
Ser Pro Phe Ser Cys Ile Leu Leu Ser Tyr Ile Arg Ile Phe Trp Thr			
210	215	220	
Val Phe Lys Ile Pro Ser Thr Arg Gly Lys Trp Lys Ala Phe Ser Thr			
225	230	235	240
Cys Gly Leu His Leu Thr Val Val Ser Leu Ser Tyr Gly Thr Ile Phe			
245	250	255	
Ala Val Tyr Leu Gln Pro Thr Ser Pro Ser Ser Ser Gln Lys Asp Lys			
260	265	270	

Ala Ala Ala Leu Met Cys Gly Val Phe Ile Pro Met Leu Asn Pro Phe
 275 280 285
 Ile Tyr Ser Ile Arg Asn Lys Asp Met Lys Ala Ala Leu Gly Lys Leu
 290 295 300
 Ile Gly Lys Val Ala Val Pro Cys Pro Arg Pro
 305 310 315

<210> 1844
 <211> 316
 <212> PRT
 <213> Unknown (H38g762 protein)

<220>
 <223> Synthetic construct

<400> 1844
 Met Ala Pro Thr Asn Leu Thr Ser Ala Pro Val Phe Leu Leu Leu Gly
 1 5 10 15
 Leu Val Asp Gly Thr Asp Ala His Pro Leu Leu Phe Leu Leu Cys Leu
 20 25 30
 Gly Ile Tyr Leu Leu Asn Ala Leu Ser Asn Leu Ser Met Val Ala Leu
 35 40 45
 Val Arg Ser Asp Gly Ala Leu Arg Ser Pro Met Tyr Tyr Phe Leu Gly
 50 55 60
 His Leu Ser Leu Val Asp Val Cys Phe Thr Thr Val Thr Val Pro Arg
 65 70 75 80
 Leu Leu Ala Gly Leu Leu His Pro Gly Gln Ala Ile Ser Phe Gln Ala
 85 90 95
 Cys Phe Ala Glu Met Tyr Phe Val Ala Leu Gly Ile Thr Glu Ser
 100 105 110
 Tyr Leu Leu Ala Ala Met Ser Tyr Asp Arg Ala Thr Ala Ala Cys Arg
 115 120 125
 Pro Leu Arg Tyr Gly Ala Leu Val Thr Pro Trp Ala Cys Ala Ser Leu
 130 135 140
 Val Arg Ala Ser Trp Ala Val Thr His Leu His Ser Leu Leu His Thr
 145 150 155 160
 Leu Leu Leu Ser Ala Leu Ser Tyr Pro Tyr Pro Thr Pro Val Arg Pro
 165 170 175
 Phe Phe Cys Asp Met Thr Val Met Leu Ser Leu Ala Thr Ser Asp Thr
 180 185 190
 Ser Ala Ala Glu Thr Ala Ile Phe Ser Glu Gly Leu Ala Val Val Leu
 195 200 205
 Ala Pro Leu Leu Leu Val Phe Leu Ser Tyr Ala Arg Ile Leu Val Ala
 210 215 220
 Val Leu Gly Leu Pro Arg Pro Arg Arg Ala Phe Ser Tyr Cys Gly Ala
 225 230 235 240
 His Leu Val Ala Val Ala Val Leu Phe Phe Gly Ser Val Leu Ser
 245 250 255
 Val Tyr Phe Pro Pro Ser Ser Ala Tyr Ser Ala Arg Tyr Asp Arg Leu
 260 265 270
 Ala Ser Val Val Tyr Ala Val Ile Thr Pro Thr Leu Asn Pro Phe Ile
 275 280 285
 Asn Ser Leu Arg Asn Lys Glu Val Lys Gly Ala Leu Lys Arg Gly Leu
 290 295 300
 Arg Trp Arg Ala Ala Pro Gln Glu Ala Trp Arg Ala
 305 310 315

<210> 1845
 <211> 312
 <212> PRT
 <213> Unknown (H38g763 protein)

<220>

<223> Synthetic construct

<400> 1845

Met Asp Gly Glu Asn His Ser Val Val Ser Glu Phe Leu Phe Leu Gly
 1 5 10 15
 Leu Thr His Ser Trp Glu Ile Gln Leu Leu Leu Val Phe Ser Ser
 20 25 30
 Val Leu Tyr Val Ala Ser Ile Thr Gly Asn Ile Leu Ile Val Phe Ser
 35 40 45
 Val Thr Thr Asp Pro His Leu His Ser Pro Met Tyr Phe Leu Leu Ala
 50 55 60
 Ser Leu Ser Phe Ile Asp Leu Gly Ala Cys Ser Val Thr Ser Pro Lys
 65 70 75 80
 Met Ile Tyr Asp Leu Phe Arg Lys Arg Lys Val Ile Ser Phe Gly Gly
 85 90 95
 Cys Ile Ala Gln Ile Phe Phe Ile His Val Ile Gly Gly Val Glu Met
 100 105 110
 Val Leu Leu Ile Ala Met Ala Phe Asp Arg Tyr Val Ala Leu Cys Lys
 115 120 125
 Pro Leu His Tyr Leu Thr Ile Met Ser Pro Arg Met Cys Leu Ser Phe
 130 135 140
 Leu Ala Val Ala Trp Thr Leu Gly Val Ser His Ser Leu Phe Gln Leu
 145 150 155 160
 Ala Phe Leu Val Asn Leu Ala Phe Cys Gly Pro Asn Val Leu Asp Ser
 165 170 175
 Phe Tyr Cys Asp Leu Pro Arg Leu Leu Arg Leu Ala Cys Thr Asp Thr
 180 185 190
 Tyr Arg Leu Gln Phe Met Val Thr Val Asn Ser Gly Phe Ile Cys Val
 195 200 205
 Gly Thr Phe Phe Ile Leu Leu Ile Ser Tyr Val Phe Ile Leu Phe Thr
 210 215 220
 Val Trp Lys His Ser Ser Gly Gly Ser Ser Lys Ala Leu Ser Thr Leu
 225 230 235 240
 Ser Ala His Ser Thr Val Val Leu Leu Phe Phe Gly Pro Pro Met Phe
 245 250 255
 Val Tyr Thr Arg Pro His Pro Asn Ser Gln Met Asp Lys Phe Leu Ala
 260 265 270
 Ile Phe Asp Ala Val Leu Thr Pro Phe Leu Asn Pro Val Val Tyr Thr
 275 280 285
 Phe Arg Asn Lys Glu Met Lys Ala Ala Ile Lys Arg Val Cys Lys Gln
 290 295 300
 Leu Val Ile Tyr Lys Arg Ile Ser
 305 310

<210> 1846

<211> 318

<212> PRT

<213> Unknown (H38g764 protein)

<220>

<223> Synthetic construct

<400> 1846

Met Trp Gln Lys Asn Gln Thr Ser Leu Ala Asp Phe Ile Leu Glu Gly
 1 5 10 15
 Leu Phe Asp Asp Ser Leu Thr His Leu Phe Leu Phe Ser Leu Thr Met
 20 25 30
 Val Val Phe Leu Ile Ala Val Ser Gly Asn Thr Leu Thr Ile Leu Leu
 35 40 45

Ile Cys Ile Asp Pro Gln Leu His Thr Pro Met Tyr Phe Leu Leu Ser
 50 55 60
 Gln Leu Ser Leu Met Asp Leu Met His Val Ser Thr Thr Ile Leu Lys
 65 70 75 80
 Met Ala Thr Asn Tyr Leu Ser Gly Lys Lys Ser Ile Ser Phe Val Gly
 85 90 95
 Cys Ala Thr Gln His Phe Leu Tyr Leu Cys Leu Gly Gly Ala Glu Cys
 100 105 110
 Phe Leu Leu Ala Val Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys His
 115 120 125
 Pro Leu Arg Tyr Ala Val Leu Met Asn Lys Lys Val Gly Leu Met Met
 130 135 140
 Ala Val Met Ser Trp Leu Gly Ala Ser Val Asn Ser Leu Ile His Met
 145 150 155 160
 Ala Ile Leu Met His Phe Pro Phe Cys Gly Pro Arg Lys Val Tyr His
 165 170 175
 Phe Tyr Cys Glu Phe Pro Ala Val Val Lys Leu Val Cys Gly Asp Ile
 180 185 190
 Thr Val Tyr Glu Thr Thr Val Tyr Ile Ser Ser Ile Leu Leu Leu
 195 200 205
 Pro Ile Phe Leu Ile Ser Thr Ser Tyr Val Phe Ile Leu Gln Ser Val
 210 215 220
 Ile Gln Met Arg Ser Ser Gly Ser Lys Arg Asn Ala Phe Ala Thr Cys
 225 230 235 240
 Gly Ser His Leu Thr Val Val Ser Leu Trp Phe Gly Ala Cys Ile Phe
 245 250 255
 Ser Tyr Met Arg Pro Arg Ser Gln Cys Thr Leu Leu Gln Asn Lys Val
 260 265 270
 Gly Ser Val Phe Tyr Ser Ile Ile Thr Pro Thr Leu Asn Ser Leu Ile
 275 280 285
 Tyr Thr Leu Arg Asn Lys Asp Val Ala Lys Ala Leu Arg Arg Val Leu
 290 295 300
 Arg Arg Asp Val Ile Thr Gln Cys Ile Gln Arg Leu Gln Leu
 305 310 315

<210> 1847

<211> 105

<212> PRT

<213> Unknown (H38g765 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(105)

<223> Xaa = Any Amino Acid

<400> 1847

Thr Leu Cys Ala Thr Ala Xaa Leu Asp His Phe Ile Cys Glu Leu Pro
 1 5 10 15
 Ala Leu Leu Lys Leu Ala Arg Gly Gly Ile Gly Asp Thr Thr Glu Asn
 20 25 30
 Gln Met Phe Ala Ala Arg Val Val Ile Leu Leu Leu Pro Phe Ala Val
 35 40 45
 Ile Leu Ala Ser Tyr Gly Ala Val Ala Arg Ala Val Cys Cys Met Arg
 50 55 60
 Phe Ser Gly Gly Arg Arg Arg Ala Val Gly Thr Cys Gly Ser His Leu
 65 70 75 80
 Thr Ala Val Cys Leu Phe Tyr Gly Ser Ala Ile Tyr Thr Tyr Leu Gln
 85 90 95
 Pro Ala Gln Arg Asn Asn Gln Ala Arg

100

105

<210> 1848
 <211> 104
 <212> PRT
 <213> Unknown (H38g766 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(104)
 <223> Xaa = Any Amino Acid

<400> 1848
 Ile His Ala Leu Ser Ala Ile Glu Ser Thr Ile Leu Leu Ala Met Ala
 1 5 10 15
 Phe Asn Arg Tyr Val Ala Ile Cys His Pro Leu Arg His Ala Ala Val
 20 25 30
 Leu Asn Asn Thr Val Thr Ala Gln Ile Gly Ile Val Ala Val Val Arg
 35 40 45
 Gly Ser Leu Phe Phe Pro Leu Pro Leu Ile Lys Arg Leu Ala
 50 55 60
 Phe Cys His Ser Asn Val Leu Ser His Ser Tyr Cys Val His Gln Asp
 65 70 75 80
 Val Met Lys Leu Ala Tyr Ala Asp Asn Leu Pro Asn Val Val Tyr Gly
 85 90 95
 Leu Asn Xaa Pro Phe Trp Leu Val
 100

<210> 1849
 <211> 320
 <212> PRT
 <213> Unknown (H38g767 protein)

<220>
 <223> Synthetic construct

<400> 1849
 Met Glu Thr Gly Asn Gln Thr His Ala Gln Glu Phe Leu Leu Gly
 1 5 10 15
 Phe Ser Ala Thr Ser Glu Ile Gln Phe Ile Leu Phe Gly Leu Phe Leu
 20 25 30
 Ser Met Tyr Leu Val Thr Phe Thr Gly Asn Leu Leu Ile Ile Leu Ala
 35 40 45
 Ile Cys Ser Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Asn Leu Ser Phe Ala Asp Leu Cys Phe Thr Ser Thr Thr Val Pro Lys
 65 70 75 80
 Met Leu Leu Asn Ile Leu Thr Gln Asn Lys Phe Ile Thr Tyr Ala Gly
 85 90 95
 Cys Leu Ser Gln Ile Phe Phe Thr Ser Phe Gly Cys Leu Asp Asn
 100 105 110
 Leu Leu Leu Thr Val Met Ala Tyr Asp Arg Phe Val Ala Val Cys His
 115 120 125
 Pro Leu His Tyr Thr Val Ile Met Asn Pro Gln Leu Cys Gly Leu Leu
 130 135 140
 Val Leu Gly Ser Trp Cys Ile Ser Val Met Gly Ser Leu Leu Glu Thr
 145 150 155 160
 Leu Thr Val Leu Arg Leu Ser Phe Cys Thr Lys Met Glu Ile Pro His
 165 170 175

Phe Phe Cys Asp Leu Leu Glu Val Leu Lys Leu Ala Cys Ser Asp Thr
 180 185 190
 Phe Ile Asn Asn Val Val Ile Tyr Phe Ala Thr Gly Val Leu Gly Val
 195 200 205
 Ile Ser Phe Thr Gly Ile Phe Phe Ser Tyr Tyr Lys Ile Val Phe Ser
 210 215 220
 Ile Leu Arg Ile Ser Ser Ala Gly Arg Lys His Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Ser Val Val Thr Leu Phe Tyr Gly Thr Gly Phe
 245 250 255
 Gly Val Tyr Leu Ser Ser Ala Ala Thr Pro Ser Ser Arg Thr Ser Leu
 260 265 270
 Val Ala Ser Val Met Tyr Thr Met Val Thr Pro Met Leu Asn Pro Phe
 275 280 285
 Ile Tyr Ser Leu Arg Asn Thr Asp Met Lys Arg Ala Leu Gly Arg Leu
 290 295 300
 Leu Ser Arg Ala Thr Phe Phe Asn Gly Asp Ile Thr Ala Gly Leu Ser
 305 310 315 320

<210> 1850

<211> 312

<212> PRT

<213> Unknown (H38g768 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(312)

<223> Xaa = Any Amino Acid

<400> 1850

Met Gly Asp Asn Gln Ser Arg Val Thr Glu Phe Ile Leu Val Gly Phe
 1 5 10 15
 Gln Leu Ser Val Glu Met Glu Val Leu Leu Phe Trp Ile Phe Ser Leu
 20 25 30
 Leu Tyr Leu Phe Ser Leu Leu Ala Asn Gly Met Ile Leu Gly Leu Ile
 35 40 45
 Cys Leu Asp Pro Arg Leu Arg Thr Pro Met Tyr Phe Phe Leu Ser His
 50 55 60
 Leu Ala Val Ile Asp Ile Tyr Tyr Ala Ser Ser Asn Leu Leu Asn Met
 65 70 75 80
 Leu Glu Asn Leu Val Lys His Lys Lys Asn Tyr Pro Phe Ile Ser Cys
 85 90 95
 Ile Met Gln Met Ala Leu Tyr Leu Thr Phe Ala Ala Ala Val Cys Met
 100 105 110
 Ile Leu Val Val Met Ser Tyr Asp Arg Phe Val Ala Ile Cys His Pro
 115 120 125
 Leu His Tyr Thr Val Ile Met Asn Trp Arg Val Cys Thr Val Leu Ala
 130 135 140
 Ile Thr Ser Trp Ala Cys Gly Phe Ser Leu Ala Leu Ile Asn Leu Ile
 145 150 155 160
 Leu Leu Leu Arg Leu Pro Phe Cys Gly Pro Gln Glu Val Asn His Phe
 165 170 175
 Phe Gly Glu Ile Leu Ser Val Leu Lys Leu Ala Cys Ala Asp Thr Trp
 180 185 190
 Ile Asn Glu Ile Phe Val Phe Ala Gly Gly Val Phe Val Leu Val Gly
 195 200 205
 Pro Leu Ser Leu Met Leu Ile Ser Tyr Met Arg Ile Leu Leu Ala Ile
 210 215 220
 Leu Lys Ile Gln Ser Lys Glu Gly Arg Lys Lys Ala Phe Ser Thr Cys

225	230	235	240
Ser Ser His Leu Cys Val Val Gly Leu Tyr Phe Gly Met Ala Met Val			
245	250	255	
Val Tyr Leu Val Pro Asp Asn Ser Gln Arg Gln Lys Gln Gln Lys Ile			
260	265	270	
Leu Thr Leu Phe Tyr Ser Leu Phe Asn Pro Leu Leu Asn Pro Leu Ile			
275	280	285	
Tyr Ser Leu Arg Asn Ala Gln Val Lys Gly Ala Leu Tyr Arg Ala Leu			
290	295	300	
Gln Lys Lys Arg Thr Met Xaa Met			
305	310		

<210> 1851

<211> 319

<212> PRT

<213> Unknown (H38g769 protein)

<220>

<223> Synthetic construct

<400> 1851

Met Glu Pro Gly Asn Asp Thr Gln Ile Ser Glu Phe Leu Leu Leu Gly			
1	5	10	15
Phe Ser Gln Glu Pro Gly Leu Gln Pro Phe Leu Phe Gly Leu Phe Leu			
20	25	30	
Ser Met Tyr Leu Val Thr Val Leu Gly Asn Leu Leu Ile Ile Leu Ala			
35	40	45	
Thr Ile Ser Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser			
50	55	60	
Asn Leu Ser Phe Ala Asp Ile Cys Val Thr Ser Thr Thr Ile Pro Lys			
65	70	75	80
Met Leu Met Asn Ile Gln Thr Gln Asn Lys Val Ile Thr Tyr Ile Ala			
85	90	95	
Cys Leu Met Gln Met Tyr Phe Phe Ile Leu Phe Ala Gly Phe Glu Asn			
100	105	110	
Phe Leu Leu Ser Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys His			
115	120	125	
Pro Leu His Tyr Met Val Ile Met Asn Pro His Leu Cys Gly Leu Leu			
130	135	140	
Val Leu Ala Ser Trp Thr Met Ser Ala Leu Tyr Ser Leu Leu Gln Ile			
145	150	155	160
Leu Met Val Val Arg Leu Ser Phe Cys Thr Ala Leu Glu Ile Pro His			
165	170	175	
Phe Phe Cys Glu Leu Asn Gln Val Ile Gln Leu Ala Cys Ser Asp Ser			
180	185	190	
Phe Leu Asn His Met Val Ile Tyr Phe Thr Val Ala Leu Leu Gly Gly			
195	200	205	
Gly Pro Leu Thr Gly Ile Leu Tyr Ser Tyr Ser Lys Ile Ile Ser Ser			
210	215	220	
Ile His Ala Ile Ser Ser Ala Gln Gly Lys Tyr Lys Ala Phe Ser Thr			
225	230	235	240
Cys Ala Ser His Leu Ser Val Val Ser Leu Phe Tyr Gly Ala Ile Leu			
245	250	255	
Gly Val Tyr Leu Ser Ser Ala Ala Thr Arg Asn Ser His Ser Ser Ala			
260	265	270	
Thr Ala Ser Val Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro Phe			
275	280	285	
Ile Tyr Ser Leu Arg Asn Lys Asp Ile Lys Arg Ala Leu Gly Ile His			
290	295	300	
Leu Leu Trp Gly Thr Met Lys Gly Gln Phe Phe Lys Lys Cys Pro			
305	310	315	

<210> 1852
 <211> 74
 <212> PRT
 <213> Unknown (H38g770 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(74)
 <223> Xaa = Any Amino Acid

<400> 1852
 Gly Asp Thr Thr Glu Asn Gln Met Phe Ala Ala Arg Val Val Ile Leu
 1 5 10 15
 Leu Leu Pro Tyr Asp Val Ile Leu Ala Ser Xaa Gly Ala Val Ala Arg
 20 25 30
 Ala Val Cys Cys Met Arg Phe Ser Gly Gly Pro Arg Arg Ala Leu Gly
 35 40 45
 Thr Cys Gly Ser His Pro Thr Ala Val Trp Leu Phe Xaa Gly Ser Gly
 50 55 60
 Lys Xaa Thr Tyr Leu Gln Ala Ala Gln Leu
 65 70

<210> 1853
 <211> 309
 <212> PRT
 <213> Unknown (H38g771 protein)

<220>
 <223> Synthetic construct

<400> 1853
 Met Lys Ser Trp Asn Asn Thr Ile Ile Leu Glu Phe Leu Leu Leu Gly
 1 5 10 15
 Ile Ser Glu Glu Pro Glu Leu Gln Ala Phe Leu Phe Gly Leu Phe Leu
 20 25 30
 Ser Met Tyr Leu Val Thr Val Leu Gly Asn Leu Leu Ile Ile Leu Ala
 35 40 45
 Thr Ile Ser Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Asn Leu Ser Phe Val Gly Ile Cys Phe Val Ser Thr Thr Val Pro Lys
 65 70 75 80
 Met Leu Val Asn Ile Gln Thr His Asn Lys Val Ile Thr Tyr Ala Gly
 85 90 95
 Cys Ile Thr Gln Met Cys Phe Phe Leu Leu Phe Val Gly Leu Asp Asn
 100 105 110
 Phe Leu Leu Thr Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys His
 115 120 125
 Pro Leu His Tyr Met Val Ile Met Asn Pro Gln Leu Cys Gly Leu Leu
 130 135 140
 Val Leu Ala Ser Trp Ile Met Ser Val Leu Asn Ser Met Leu Gln Ser
 145 150 155 160
 Leu Met Val Leu Pro Leu Pro Phe Cys Thr His Met Glu Ile Pro His
 165 170 175
 Phe Phe Cys Glu Ile Asn Gln Val Val His Leu Ala Cys Ser Asp Thr
 180 185 190
 Phe Leu Asn Asp Ile Val Met Tyr Phe Ala Val Ala Leu Leu Gly Gly
 195 200 205
 Gly Pro Leu Thr Gly Ile Leu Tyr Ser Tyr Ser Lys Ile Val Ser Ser

210	215	220
Ile Arg Ala Ile Ser Ser Ala Gln Gly Lys Tyr	Lys Ala Phe Ser Thr	
225	230	235 240
Cys Ala Ser His Leu Ser Val Val Ser Leu Phe Tyr Gly Thr Cys Leu		
245	250	255
Gly Val Tyr Leu Ser Ser Ala Ala Thr His Asn Ser His Thr Gly Ala		
260	265	270
Ala Ala Ser Val Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro Phe		
275	280	285
Ile Tyr Ser Leu Arg Asn Lys His Ile Lys Gly Ala Met Lys Thr Phe		
290	295	300
Phe Arg Gly Lys Gln		
305		

<210> 1854

<211> 82

<212> PRT

<213> Unknown (H38g772 protein)

<220>

<223> Synthetic construct

<400> 1854

Met Val Thr Glu Phe Leu Pro Leu Gly Phe Leu Leu Gly Pro Arg Ile			
1	5	10	15
Gln Met Leu Leu Gly Leu Phe Ser Leu Phe Tyr Val Phe Thr Pro			
20	25	30	
Leu Gly Asn Gly Thr Ile Pro Gly Leu Ile Ser Leu Asp Ser Arg Leu			
35	40	45	
His Thr Pro Met Tyr Phe Phe Leu Ser His Leu Ala Val Val Asn Ile			
50	55	60	
Ala Tyr Ala Cys Asn Thr Val Pro Gln Met Leu Val Asn Leu Leu His			
65	70	75	80
Pro Ala			

<210> 1855

<211> 216

<212> PRT

<213> Unknown (H38g773 protein)

<220>

<223> Synthetic construct

<400> 1855

Leu Met Asp Leu Lys Leu Ile Cys Thr Thr Val Pro Lys Met Ala Phe			
1	5	10	15
Asn Tyr Leu Ser Gly Ser Lys Ser Ile Ser Met Ala Gly Cys Val Thr			
20	25	30	
Gln Ile Phe Phe Tyr Ile Ser Leu Ser Gly Ser Glu Cys Phe Leu Leu			
35	40	45	
Ala Val Met Ala Tyr Asp Arg Tyr Ile Ala Ile Cys His Pro Leu Arg			
50	55	60	
Tyr Thr Asn Leu Met Asn Pro Lys Ile Cys Gly Leu Met Ala Thr Phe			
65	70	75	80
Ser Trp Ile Leu Gly Ser Thr Asp Gly Ile Ile Asp Ala Val Ala Thr			
85	90	95	
Phe Ser Phe Ser Phe Cys Gly Ser Arg Glu Ile Ala His Phe Phe Cys			
100	105	110	
Glu Phe Pro Ser Leu Leu Ile Leu Ser Cys Asn Asp Thr Ser Ile Phe			
115	120	125	

Glu Glu Val Ile Phe Ile Cys Cys Ile Val Met Leu Val Phe Pro Val
 130 135 140
 Ala Ile Ile Ile Ala Ser Tyr Ala Arg Val Ile Leu Ala Val Ile His
 145 150 155 160
 Met Gly Ser Gly Glu Gly Arg Cys Lys Ala Phe Thr Thr Cys Ser Ser
 165 170 175
 His Leu Met Val Val Gly Met Tyr Tyr Gly Ala Ala Leu Phe Met Tyr
 180 185 190
 Ile Arg Pro Thr Ser Asp His Ser Pro Thr Gln Asp Lys Met Val Ser
 195 200 205
 Val Phe Tyr Thr Ile Leu Thr Pro
 210 215

<210> 1856

<211> 305

<212> PRT

<213> Unknown (H38g774 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(305)

<223> Xaa = Any Amino Acid

<400> 1856

Met Lys Pro Gly Asn Asp Thr Arg Ile Ser Glu Phe Leu Leu Leu Gly
 1 5 10 15
 Leu Ser Ala Glu Pro Glu Leu Gln Pro Phe Phe Gly Leu Phe Leu
 20 25 30
 Ser Met Tyr Leu Val Thr Val Leu Gly Asn Leu Leu Ile Ile Leu Ala
 35 40 45
 Thr Ile Ser Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Asn Leu Ser Phe Ala Asp Ile Ser Phe Val Ser Thr Thr Val Pro Lys
 65 70 75 80
 Met Leu Val Asn Ile Gln Thr Gln Ser Arg Val Ile Thr Tyr Ala Gly
 85 90 95
 Cys Ile Thr Gln Met Cys Phe Phe Leu Leu Phe Ala Val Leu Asp Ser
 100 105 110
 Leu Leu Ala Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys His
 115 120 125
 Pro Leu Tyr Tyr Thr Ile Ile Met Asn Pro Gln Phe Tyr Ser Trp Ile
 130 135 140
 Leu Ser Val Leu Asn Ser Leu Leu Gln Ser Leu Met Val Leu Pro Leu
 145 150 155 160
 Pro Phe Tyr Thr Asp Ile Ala Ile Pro His Phe Phe Cys Glu Leu Asn
 165 170 175
 Gln Ile Ile Cys Ile Ala Cys Ser Asp Thr Phe Leu Asn Asp Ile Met
 180 185 190
 Ile Tyr Cys Ala Thr Val Leu Leu Gly Gly Pro Leu Thr Gly Ile
 195 200 205
 Leu Tyr Ser Tyr Ser Lys Ile Val Ser Ser Ile Arg Ala Ile Ser Ser
 210 215 220
 Ala Gln Gly Lys Tyr Lys Ala Phe Ser Thr Cys Ala Ser His Leu Ser
 225 230 235 240
 Val Val Ser Leu Phe Tyr Gly Thr Ser Leu Gly Met Tyr Leu Ser Ser
 245 250 255
 Ala Ala Thr His Asn Ser Pro Ser Ser Ala Thr Ala Ser Val Met Tyr
 260 265 270
 Thr Val Val Thr Pro Met Leu Asn Pro Phe Ile Tyr Ser Leu Arg Asn

275	280	285
Lys Asp Leu Lys Asp Ala Leu	Lys Arg Phe Phe Arg Arg	Lys Gln Xaa
290	295	300

Lys
305

<210> 1857
<211> 120
<212> PRT
<213> Unknown (H38g775 protein)

<220>
<223> Synthetic construct

<400> 1857

Phe Ser Leu Ser His Leu Ala Val Val Asp Ile Ala Tyr Ala Cys Asn				
1	5	10	15	
Thr Val Pro Arg Met Leu Val Asn Leu Leu His Pro Ala Lys Pro Ile				
20	25	30		
Ser Phe Ala Gly Arg Met Met Gln Thr Phe Leu Phe Ser Thr Phe Ala				
35	40	45		
Val Thr Glu Cys Phe Leu Leu Val Val Lys Ser Asn Asp Leu Tyr Val				
50	55	60		
Ala Ile Cys His Pro Ser Arg Tyr Leu Ala Ile Met Thr Trp Arg Val				
65	70	75	80	
Cys Ile Thr Leu Ala Val Thr Ser Trp Thr Thr Gly Val Leu Leu Ser				
85	90	95		
Leu Ile His Leu Val Leu Leu Pro Leu Pro Phe Cys Arg Pro Gln				
100	105	110		
Lys Ile Tyr His Phe Phe Cys Glu				
115	120			

<210> 1858
<211> 214
<212> PRT
<213> Unknown (H38g776 protein)

<220>
<223> Synthetic construct

<221> VARIANT
<222> (1)...(214)
<223> Xaa = Any Amino Acid

<400> 1858

Leu Pro Asp Ile Gly Phe Thr Ser Thr Thr Val Pro Lys Met Ile Val				
1	5	10	15	
Asp Ile Gln Ser His Ser Arg Val Ile Ser Tyr Ala Gly Cys Leu Thr				
20	25	30		
Gln Met Ser Leu Phe Ala Ile Phe Gly Gly Met Glu Glu Asn Met Leu				
35	40	45		
Pro Ser Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys His Pro Leu				
50	55	60		
Tyr His Ser Ala Ile Met Asn Pro Cys Phe Cys Gly Phe Leu Val Leu				
65	70	75	80	
Leu Ser Phe Phe Leu Ser Phe Ser Gln Leu His Asn Leu Ile Ala Leu				
85	90	95		
Gln Met Thr Cys Phe Lys Asn Val Gly Ile Pro Asn Phe Leu Cys Asp				
100	105	110		
Pro Ser Gln Leu Pro His Leu Thr Cys Cys Asp Thr Phe Thr Asn His				
115	120	125		

Ile Ile Met Tyr Phe Pro Ala Ala Ile Phe Gly Phe Leu Pro Ile Ser
 130 135 140
 Gly Thr Leu Phe Ser Tyr His Val Ile Val Ser Ser Ile Leu Arg Val
 145 150 155 160
 Ser Ser Ser Gly Gly Lys Tyr Lys Ala Phe Ser Thr Tyr Gly Ser His
 165 170 175
 Leu Ser Asp Val Ser Xaa Phe Tyr Gly Thr Gly Val Gly Gly Tyr Leu
 180 185 190
 Ser Ser Asp Val Ser Ser Ser Pro Arg Lys Thr Ala Val Ala Ser Val
 195 200 205
 Met Tyr Ala Val Val Thr
 210

<210> 1859

<211> 166

<212> PRT

<213> Unknown (H38g777 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(166)

<223> Xaa = Any Amino Acid

<400> 1859

Val Lys Asn Gln Thr Met Val Thr Glu Phe Leu Leu Leu Gly Phe Phe
 1 5 10 15
 Leu Ser Pro Arg Ile His Met Leu Leu Phe Gly Leu Phe Tyr Leu Phe
 20 25 30
 Tyr Val Phe Thr Leu Leu Gly Asn Gly Thr Ile Leu Gly Leu Ile Ser
 35 40 45
 Leu Asp Ser Ile Leu His Thr Pro Met Tyr Phe Phe Leu Xaa His Leu
 50 55 60
 Ser Val Val Asn Ile Ala Tyr Ala Cys Asn Thr Val Pro Gln Met Leu
 65 70 75 80
 Val Asn Leu Leu His Ser Ala Lys Pro Ile Tyr Phe Ala Gly Cys Met
 85 90 95
 Thr Tyr Thr Phe Leu Phe Leu Arg Phe Ala His Thr Glu Cys Leu Leu
 100 105 110
 Leu Val Leu Met Ser Tyr Asp Trp Tyr Val Ala Ile Leu Thr Pro Leu
 115 120 125
 Arg Tyr Ile Ile Ile Met Thr Trp Lys Val Phe Ile Ile Ser Ala Ile
 130 135 140
 Thr Ser Trp Thr Cys Gly Ser Phe Leu Ser Met Val His Val Ser Leu
 145 150 155 160
 Ile Leu Arg Leu Pro Phe
 165

<210> 1860

<211> 93

<212> PRT

<213> Unknown (H38g778 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(93)

<223> Xaa = Any Amino Acid

<400> 1860

Gln Met Ser Leu Phe Val Ile Phe Ala Ser Ala Glu Cys Asn Leu Phe
 1 5 10 15
 Lys Leu Ala Leu Ala Tyr Arg Pro Xaa Cys Tyr Cys His Leu Cys Thr
 20 25 30
 His Pro Phe Tyr His Ile Asp His Val Xaa Glu Ala Ile Ile Phe Phe
 35 40 45
 Leu Val Ala Gly Cys Tyr Leu Gly Gly Leu Val Lys Met Val Thr Val
 50 55 60
 Thr Thr Ser Ile Thr Gln Leu Ser Leu Cys Gln Pro Cys Val His Leu
 65 70 75 80
 His Phe Phe Cys Asp Ile Pro Ser Phe Cys Ser Tyr Ser
 85 90

<210> 1861

<211> 215

<212> PRT

<213> Unknown (H38g779 protein)

<220>

<223> Synthetic construct

<400> 1861

Phe Ser Asp Leu Cys Phe Ser Ser Val Thr Ile Pro Lys Leu Leu Gln
 1 5 10 15
 Asn Met Gln Ser Gln Val Pro Thr Ile Ser Tyr Ala Asp Cys Leu Thr
 20 25 30
 Gln Leu Tyr Phe Phe Met Val Phe Gly Asp Met Glu Ser Phe Leu Leu
 35 40 45
 Val Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Phe Pro Leu His
 50 55 60
 Tyr Thr Ser Ile Met Ser Thr Lys Phe Cys Ala Leu Leu Val Leu Leu
 65 70 75 80
 Leu Trp Met Leu Thr Ile Ser His Ala Leu Leu His Thr Leu Leu Met
 85 90 95
 Ala Arg Leu Ser Phe Cys Glu Lys Asn Val Ile Leu His Phe Phe Cys
 100 105 110
 Asp Ile Ser Ala Leu Leu Lys Leu Ser Cys Ser Asp Thr Tyr Val Asn
 115 120 125
 Glu Leu Met Ile Phe Ile Met Gly Gly Ile Ile Ser Ile Ile Pro Phe
 130 135 140
 Leu Leu Ile Val Met Ser Tyr Val Arg Ile Phe Phe Ser Ile Leu Lys
 145 150 155 160
 Val Pro Ser Ser Gln Asp Ile His Lys Val Phe Ser Thr Cys Gly Ser
 165 170 175
 His Leu Ser Val Val Thr Leu Phe Tyr Gly Thr Ile Ile Gly Leu Tyr
 180 185 190
 Leu Cys Pro Ser Gly Asn Asn Ser Thr Val Asn Glu Ile Ser Met Ala
 195 200 205
 Met Met Tyr Thr Val Val Ala
 210 215

<210> 1862

<211> 219

<212> PRT

<213> Unknown (H38g780 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1) . . . (219)
 <223> Xaa = Any Amino Acid

<400> 1862
 Ser Asn Leu Ser Phe Thr Asp Leu Xaa Phe Ser Ser Val Thr Met Pro
 1 5 10 15
 Lys Leu Leu Gln Asn Met Gln Ser Gln Val Pro Ser Ile Pro Tyr Ala
 20 25 30
 Gly Cys Leu Thr Gln Met Tyr Phe Leu Leu Phe Phe Gly Asp Leu Glu
 35 40 45
 Ser Phe Leu Leu Val Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys
 50 55 60
 Phe Pro Leu His Tyr Thr Ser Ile Met Ser Pro Arg Leu Cys Val Ser
 65 70 75 80
 Leu Val Leu Leu Ser Trp Leu Leu Thr Met Ser His Ser Met Leu His
 85 90 95
 Thr Leu Leu Leu Thr Arg Leu Ser Phe Cys Glu Asn Asn Val Ile Pro
 100 105 110
 His Phe Phe Cys Asp Leu Ser Ala Leu Leu Lys Leu Ala Cys Ser Asp
 115 120 125
 Ile His Ile Asn Glu Leu Val Ile Leu Ile Ile Gly Gly Leu Val Val
 130 135 140
 Ile Leu Pro Phe Leu Leu Ile Thr Val Ser Tyr Ala Arg Ile Ile Ser
 145 150 155 160
 Ser Ile Leu Lys Val Pro Ser Thr Gln Gly Ile His Lys Val Phe Ser
 165 170 175
 Thr Cys Gly Ser His Leu Ser Val Val Ser Leu Phe Tyr Gly Thr Ile
 180 185 190
 Ile Gly Leu Tyr Leu Cys Pro Ser Ala Asn Asn Ser Thr Leu Lys Asp
 195 200 205
 Thr Val Met Ser Met Met Tyr Thr Val Val Thr
 210 215

<210> 1863
 <211> 314
 <212> PRT
 <213> Unknown (H38g781 protein)

<220>
 <223> Synthetic construct

<400> 1863
 Met Glu Asn Asn Thr Glu Val Thr Glu Phe Ile Leu Val Gly Leu Thr
 1 5 10 15
 Asp Asp Pro Glu Leu Gln Ile Pro Leu Phe Ile Val Phe Leu Phe Ile
 20 25 30
 Tyr Leu Ile Thr Leu Val Gly Asn Leu Gly Met Ile Glu Leu Ile Leu
 35 40 45
 Leu Asp Ser Cys Leu His Thr Pro Met Tyr Phe Phe Leu Ser Asn Leu
 50 55 60
 Ser Leu Val Asp Phe Gly Tyr Ser Ser Ala Val Thr Pro Lys Val Met
 65 70 75 80
 Val Gly Phe Leu Thr Gly Asp Lys Phe Ile Leu Tyr Asn Ala Cys Ala
 85 90 95
 Thr Gln Phe Phe Phe Val Ala Phe Ile Thr Ala Glu Ser Phe Leu
 100 105 110
 Leu Ala Ser Met Ala Tyr Asp Arg Tyr Ala Ala Leu Cys Lys Pro Leu
 115 120 125
 His Tyr Thr Thr Thr Met Thr Thr Asn Val Cys Ala Cys Leu Ala Ile
 130 135 140
 Gly Ser Tyr Ile Cys Gly Phe Leu Asn Ala Ser Ile His Thr Gly Asn

145	150	155	160
Thr Phe Arg Leu Ser Phe Cys Arg Ser Asn Val Val Glu His Phe Phe			
165	170	175	
Cys Asp Ala Pro Pro Leu Leu Thr Leu Ser Cys Ser Asp Asn Tyr Ile			
180	185	190	
Ser Glu Met Val Ile Phe Phe Val Val Gly Phe Asn Asp Leu Phe Ser			
195	200	205	
Ile Leu Val Ile Leu Ile Ser Tyr Leu Phe Ile Phe Ile Thr Ile Met			
210	215	220	
Lys Met Arg Ser Pro Glu Gly Arg Gln Lys Ala Phe Ser Thr Cys Ala			
225	230	235	240
Ser His Leu Thr Ala Val Ser Ile Phe Tyr Gly Thr Gly Ile Phe Met			
245	250	255	
Tyr Leu Arg Pro Asn Ser Ser His Phe Met Gly Thr Asp Lys Met Ala			
260	265	270	
Ser Val Phe Tyr Ala Ile Val Ile Pro Met Leu Asn Pro Leu Val Tyr			
275	280	285	
Ser Leu Arg Asn Lys Glu Val Lys Ser Ala Phe Lys Lys Thr Val Gly			
290	295	300	
Lys Ala Lys Ala Ser Ile Gly Phe Ile Phe			
305	310		

<210> 1864

<211> 189

<212> PRT

<213> Unknown (H38g782 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(189)

<223> Xaa = Any Amino Acid

<400> 1864

Ala Thr Lys Glu Leu Cys Phe Leu Gly Val Tyr Ile Pro Lys Gly Asp			
1	5	10	15
Ala Cys Trp Lys Xaa Leu Xaa Leu Gly Leu His Leu Leu Leu Gly			
20	25	30	
Xaa Gln Val Val Ser Met Val Gly Asn Leu Ala Leu Ile Ala Leu Ile			
35	40	45	
Gly Xaa Asn Ser Tyr Leu His His Pro Gln Ala Leu Phe Ser Phe Thr			
50	55	60	
Gln Ser Phe Pro Asp Leu Tyr Cys Pro Val Cys Thr Pro Arg Met Leu			
65	70	75	80
Met Thr Phe Val Ser Lys Lys Asn Ile Phe Tyr Val Arg Cys Met Thr			
85	90	95	
Gln Leu Ser Gln Leu Phe Phe Leu Phe Ile Val Leu Ser Ile Lys Tyr			
100	105	110	
His Val Leu Met Phe Ile Ala Cys Gly Cys Leu Val Ala Ile Tyr Asn			
115	120	125	
Pro Ser Leu His Glu Val Thr Met Ser Pro Gln Val Arg Glu Met Arg			
130	135	140	
Glu Ser Gly Phe Ala Gly Thr Thr Ala His Thr Gly His Ile Leu Arg			
145	150	155	160
Pro Asn Leu Cys Asn Ile Asp Val Ile Asn His His Leu Thr Asp Ser			
165	170	175	
Leu Leu Val Leu Xaa Val Ser Cys Thr Ser Thr Cys Ala			
180	185		

<210> 1865

<211> 311
 <212> PRT
 <213> Unknown (H38g783 protein)

<220>
 <223> Synthetic construct

<400> 1865
 Met Thr Gly Gly Asn Ile Thr Glu Ile Thr Tyr Phe Ile Leu Leu
 1 5 10 15
 Gly Phe Ser Asp Phe Pro Arg Ile Ile Lys Val Leu Phe Thr Ile Phe
 20 25 30
 Leu Val Ile Tyr Ile Thr Ser Leu Ala Trp Asn Leu Ser Leu Ile Val
 35 40 45
 Leu Ile Arg Met Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu
 50 55 60
 Ser Asn Leu Ser Phe Ile Asp Val Cys Tyr Ile Ser Ser Thr Val Pro
 65 70 75 80
 Lys Met Leu Ser Asn Leu Leu Gln Glu Gln Gln Thr Ile Thr Phe Val
 85 90 95
 Gly Cys Ile Ile Gln Tyr Phe Ile Phe Ser Thr Met Gly Leu Ser Glu
 100 105 110
 Ser Cys Leu Met Thr Ala Met Ala Tyr Asp Arg Tyr Ala Ala Ile Cys
 115 120 125
 Asn Pro Leu Leu Tyr Ser Ser Ile Met Ser Pro Thr Leu Cys Val Trp
 130 135 140
 Met Val Leu Gly Ala Tyr Met Thr Gly Leu Thr Ala Ser Leu Phe Gln
 145 150 155 160
 Ile Gly Ala Leu Leu Gln Leu His Phe Cys Gly Ser Asn Val Ile Arg
 165 170 175
 His Phe Phe Cys Asp Met Pro Gln Leu Leu Ile Leu Ser Cys Thr Asp
 180 185 190
 Thr Phe Phe Val Gln Val Met Thr Ala Ile Leu Thr Met Phe Phe Gly
 195 200 205
 Ile Ala Ser Ala Leu Val Ile Met Ile Ser Tyr Gly Tyr Ile Gly Ile
 210 215 220
 Ser Ile Met Lys Ile Thr Ser Ala Lys Gly Arg Pro Lys Ala Phe Asn
 225 230 235 240
 Thr Cys Ala Ser His Leu Thr Ala Val Ser Leu Phe Tyr Thr Ser Gly
 245 250 255
 Ile Phe Val Tyr Leu Arg Ser Ser Gly Gly Ser Ser Ser Phe Asp
 260 265 270
 Arg Phe Ala Ser Val Phe Tyr Thr Val Val Ile Pro Met Leu Asn Pro
 275 280 285
 Leu Ile Tyr Ser Leu Arg Asn Lys Glu Ile Lys Asp Ala Leu Lys Arg
 290 295 300
 Leu Gln Lys Arg Lys Cys Cys
 305 310

<210> 1866
 <211> 312
 <212> PRT
 <213> Unknown (H38g784 protein)

<220>
 <223> Synthetic construct

<400> 1866
 Met Thr Gly Glu Arg Asn Ser Thr Arg Ile Thr Lys Phe Ile Leu Leu
 1 5 10 15
 Gly Phe Ser Glu Phe Pro Lys Asn Pro Ile Phe Leu Phe Ser Ile Phe

20	25	30													
Leu	Gly	Ile	Tyr	Leu	Leu	Thr	Val	Ser	Trp	Asn	Ile	Asn	Leu	Ile	Thr
35							40							45	
Leu	Ile	Arg	Ile	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
50							55							60	
Ser	Asn	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Val	Ser	Thr	Ile	Ala	Pro
65							70			75				80	
Lys	Met	Leu	Ser	Asp	Phe	Phe	Lys	Lys	His	Lys	Phe	Ile	Ser	Phe	Met
							85			90				95	
Gly	Cys	Ser	Met	Gln	Tyr	Phe	Phe	Phe	Ser	Ser	Leu	Gly	Leu	Thr	Glu
							100			105				110	
Cys	Cys	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys
							115			120				125	
Asn	Pro	Leu	Leu	Tyr	Arg	Ala	Ile	Met	Phe	Pro	Thr	Leu	Cys	Val	Gln
							130			135				140	
Met	Val	Ala	Gly	Ser	Cys	Ile	Thr	Gly	Phe	Leu	Gly	Ser	Phe	Ile	Gln
							145			150				160	
Leu	Cys	Ala	Leu	Leu	Gln	Leu	His	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asn
							165			170				175	
His	Phe	Phe	Cys	Asp	Leu	Pro	Gln	Leu	Leu	Ile	Leu	Ser	Cys	Ser	Asp
							180			185				190	
Thr	Phe	Phe	Gln	Val	Met	Thr	Ser	Val	Leu	Thr	Val	Ile	Phe	Gly	
							195			200				205	
Leu	Thr	Ser	Val	Leu	Val	Ile	Met	Ile	Ser	Tyr	Gly	Tyr	Ile	Ile	Ala
							210			215				220	
Thr	Ile	Leu	Lys	Ile	Thr	Ser	Ala	Glu	Gly	Arg	Ala	Lys	Ser	Phe	Asn
							225			230				240	
Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ile	Leu	Phe	Phe	Gly	Ser	Gly
							245			250				255	
Ile	Phe	Val	Tyr	Met	Tyr	Pro	Asn	Ala	Gly	Asp	Ser	Leu	Ser	Gln	Asn
							260			265				270	
Lys	Leu	Ala	Ser	Val	Leu	Tyr	Thr	Val	Thr	Ile	Pro	Met	Leu	Asn	Pro
							275			280				285	
Val	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Ile	Lys	Asp	Ala	Leu	Asn	Arg
							290			295				300	
Trp	Lys	Lys	Arg	Ile	Phe	Ser	Trp								
							305			310					

<210> 1867

<211> 444

<212> PRT

<213> Unknown (H38g785 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(444)

<223> Xaa = Any Amino Acid

<400> 1867

Met	Thr	Val	Glu	Arg	Ser	Ser	Met	Thr	Ile	Thr	Lys	Phe	Ile	Leu	Leu
1							5			10				15	
Gly	Phe	Ser	Glu	Tyr	Ser	Lys	Thr	Thr	Ile	Phe	Leu	Phe	Ser	Val	Phe
							20			25				30	
Leu	Gly	Ile	Tyr	Leu	Leu	Thr	Met	Ser	Xaa	Asn	Val	Ser	Leu	Ile	Ala
							35			40				45	
Leu	Ile	Arg	Thr	Asp	Ser	His	Leu	His	Ala	Pro	Val	Tyr	Phe	Phe	Leu
							50			55				60	
Ser	Asn	Pro	Ser	Phe	Leu	Asp	Ile	Cys	Cys	Val	Ser	Thr	Ile	Ala	Pro
							65			70				75	

Lys	Met	Pro	Ser	Asp	Phe	Phe	Lys	Lys	His	Lys	Phe	Ile	Ser	Phe	Met
					85				90					95	
Gly	Cys	Thr	Met	Gln	Tyr	Phe	Ser	Ser	Leu	Asn	Val	Thr	Glu	Cys	Cys
					100				105				110		
Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Xaa	Tyr	Ala	Ala	Ile	Cys	Asp	Pro
					115				120				125		
Leu	Leu	Tyr	Thr	Ala	Ile	Met	Ser	Pro	Ala	Leu	Cys	Met	Pro	Met	Val
					130				135			140			
Ala	Gly	Ser	Cys	Thr	Thr	Gly	Tyr	Phe	Val	Ser	Phe	Ile	Gln	Leu	Cys
					145				150			155		160	
Ala	Leu	Leu	Leu	Leu	His	Phe	Cys	Glu	Ser	Asn	Ser	Ser	His	Phe	Phe
					165				170				175		
Cys	Asp	Leu	Pro	Gln	Leu	Leu	Ile	Leu	Ser	Cys	Ser	His	Thr	Val	Phe
					180				185			190			
Phe	Phe	Ser	Ser	His	Asp	His	Tyr	Ala	His	Ser	Asn	Leu	Tyr	Thr	His
					195				200			205			
Leu	Tyr	Leu	Gly	Tyr	His	Asp	Asn	Leu	Trp	Leu	Tyr	His	Cys	Gln	His
					210				215			220			
Ser	Ser	Leu	Leu	Trp	Asp	Ala	Pro	Cys	Asn	Thr	Ser	Ser	Leu	Ala	Trp
					225				230			235		240	
Val	Xaa	Leu	Ser	Ala	Val	Phe	Trp	Lys	Leu	Trp	Leu	Ile	Ile	Asp	Met
					245				250				255		
Leu	Pro	Phe	Val	Thr	Leu	Cys	Ser	Thr	Trp	Pro	Ser	Met	Ser	Pro	Thr
					260				265			270			
Ser	Val	Cys	Thr	Xaa	Trp	Leu	Glu	Pro	Val	Xaa	Leu	Leu	Ser	Leu	Ala
					275				280			285			
His	Leu	Ser	Asn	Tyr	Val	Leu	Cys	Phe	Ser	Ser	Ile	Ser	Val	Gly	Gln
					290				295			300			
Ile	Val	Asn	His	Phe	Phe	Cys	Asp	Leu	Pro	Gln	Leu	Leu	Ile	Leu	Ser
					305				310			315		320	
Cys	Tyr	Asp	Thr	Phe	Phe	Cys	Gln	Val	Met	Thr	Ser	Met	Leu	Thr	Val
					325				330				335		
Val	Phe	Gly	Leu	Thr	Ser	Val	Leu	Val	Ile	Met	Ile	Phe	Tyr	Gly	Tyr
					340				345			350			
Val	Ile	Ala	Thr	Ile	Leu	Lys	Ile	Ile	Ser	Val	Glu	Gly	Arg	Ser	Lys
					355				360			365			
Val	Phe	Asn	Thr	Gly	Gly	Ser	His	Leu	Ile	Ala	Val	Thr	Leu	Phe	Tyr
					370				375			380			
Cys	Ser	Arg	Ile	Phe	Val	Tyr	Met	Cys	Ser	His	Ser	Asp	Ala	Ser	Leu
					385				390			395		400	
Ser	Arg	Asn	Lys	Val	Asp	Ser	Ile	Val	Tyr	Thr	Val	Val	Ile	Pro	Arg
					405				410				415		
Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Ser	Asp	Lys	Xaa	Ile	Lys	Asp	Ala
					420				425			430			
Leu	Lys	Arg	Trp	Thr	Lys	Arg	Ile	Phe	Ser	Trp	Pro				
					435				440						

<210> 1868

<211> 310

<212> PRT

<213> Unknown (H38g786 protein)

<220>

<223> Synthetic construct

<400> 1868

Met	Gly	Glu	Asn	Gln	Thr	Met	Val	Thr	Glu	Phe	Leu	Leu	Leu	Gly	Phe
1								10						15	
Leu	Leu	Gly	Pro	Arg	Ile	Gln	Met	Leu	Leu	Phe	Gly	Leu	Phe	Ser	Leu
							20			25			30		
Phe	Tyr	Ile	Phe	Thr	Leu	Leu	Gly	Asn	Gly	Ala	Ile	Leu	Gly	Leu	Ile

35	40	45													
Ser	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
50					55					60					
Leu	Ala	Val	Val	Asp	Ile	Ala	Tyr	Thr	Arg	Asn	Thr	Val	Pro	Gln	Met
65					70					75					80
Leu	Ala	Asn	Leu	Leu	His	Pro	Ala	Lys	Pro	Ile	Ser	Phe	Ala	Gly	Cys
					85					90					95
Met	Thr	Gln	Thr	Phe	Leu	Cys	Leu	Ser	Phe	Gly	His	Ser	Glu	Cys	Leu
					100					105					110
Leu	Leu	Val	Leu	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro
					115					120					125
Leu	Arg	Tyr	Ser	Val	Ile	Met	Thr	Trp	Arg	Val	Cys	Ile	Thr	Leu	Ala
					130					135					140
Val	Thr	Ser	Trp	Thr	Cys	Gly	Ser	Leu	Leu	Ala	Leu	Ala	His	Val	Val
145					150					155					160
Leu	Ile	Leu	Arg	Leu	Pro	Phe	Ser	Gly	Pro	His	Glu	Ile	Asn	His	Phe
					165					170					175
Phe	Cys	Glu	Ile	Leu	Ser	Val	Leu	Arg	Leu	Ala	Cys	Ala	Asp	Thr	Trp
					180					185					190
Leu	Asn	Gln	Val	Val	Ile	Phe	Ala	Ala	Cys	Val	Phe	Phe	Leu	Val	Gly
					195					200					205
Pro	Pro	Ser	Leu	Val	Leu	Val	Ser	Tyr	Ser	His	Ile	Leu	Ala	Ala	Ile
					210					215					220
Leu	Arg	Ile	Gln	Ser	Gly	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Cys	Val	Val	Gly	Leu	Phe	Phe	Gly	Ser	Ala	Ile	Ile
					245					250					255
Met	Tyr	Met	Ala	Pro	Lys	Ser	Arg	His	Pro	Glu	Glu	Gln	Gln	Lys	Val
					260					265					270
Phe	Phe	Leu	Phe	Tyr	Ser	Phe	Phe	Asn	Pro	Thr	Leu	Asn	Pro	Leu	Ile
					275					280					285
Tyr	Ser	Leu	Arg	Asn	Gly	Glu	Val	Lys	Gly	Ala	Leu	Arg	Arg	Ala	Leu
					290					295					300
Gly	Lys	Glu	Ser	His	Ser										
					305					310					

<210> 1869

<211> 314

<212> PRT

<213> Unknown (H38g787 protein)

<220>

<223> Synthetic construct

<400> 1869

Met	Glu	Arg	Gln	Asn	Gln	Ser	Cys	Val	Val	Glu	Phe	Ile	Leu	Leu	Gly
1					5					10					15
Phe	Ser	Asn	Tyr	Pro	Glu	Leu	Gln	Gly	Gln	Leu	Phe	Val	Ala	Phe	Leu
										20		25			30
Val	Ile	Tyr	Leu	Val	Thr	Leu	Ile	Gly	Asn	Ala	Ile	Ile	Ile	Val	Ile
										35		40			45
Val	Ser	Leu	Asp	Gln	Ser	Leu	His	Val	Pro	Met	Tyr	Leu	Phe	Leu	Leu
										50		55			60
Asn	Leu	Ser	Val	Val	Asp	Leu	Ser	Phe	Ser	Ala	Val	Ile	Met	Pro	Glu
										65		70			80
Met	Leu	Val	Val	Leu	Ser	Thr	Glu	Lys	Thr	Thr	Ile	Ser	Phe	Gly	Gly
										85		90			95
Cys	Phe	Ala	Gln	Met	Tyr	Phe	Ile	Leu	Leu	Phe	Gly	Gly	Ala	Glu	Cys
										100		105			110
Phe	Leu	Leu	Gly	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Ala	Ala	Ile	Cys	His
										115		120			125

Pro Leu Asn Tyr Gln Met Ile Met Asn Lys Gly Val Phe Met Lys Leu
 130 135 140
 Ile Ile Phe Ser Trp Ala Leu Gly Phe Met Leu Gly Thr Val Gln Thr
 145 150 155 160
 Ser Trp Val Ser Ser Phe Pro Phe Cys Gly Leu Asn Glu Ile Asn His
 165 170 175
 Ile Ser Cys Glu Thr Pro Ala Val Leu Glu Leu Ala Cys Ala Asp Thr
 180 185 190
 Phe Leu Phe Glu Ile Tyr Ala Phe Thr Gly Thr Phe Leu Ile Ile Leu
 195 200 205
 Val Pro Phe Leu Leu Ile Leu Ser Tyr Ile Arg Val Leu Phe Ala
 210 215 220
 Ile Leu Lys Met Pro Ser Thr Thr Gly Arg Gln Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ala Ala His Leu Thr Ser Val Thr Leu Phe Tyr Gly Thr Ala Ser
 245 250 255
 Met Thr Tyr Leu Gln Pro Lys Ser Gly Tyr Ser Pro Glu Thr Lys Lys
 260 265 270
 Val Met Ser Leu Ser Tyr Ser Leu Leu Thr Pro Leu Leu Asn Leu Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Ser Glu Met Lys Arg Ala Leu Met Lys Leu
 290 295 300
 Trp Arg Arg Arg Val Val Leu His Thr Ile
 305 310

<210> 1870

<211> 331

<212> PRT

<213> Unknown (H38g788 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(331)

<223> Xaa = Any Amino Acid

<400> 1870

Met Val Thr Glu Phe Leu Leu Leu Gly Phe Leu Leu Gly Pro Arg Ile
 1 5 10 15
 Gln Met Leu Leu Phe Gly Leu Phe Ser Leu Phe Tyr Val Phe Thr Leu
 20 25 30
 Leu Gly Asn Gly Thr Ile Leu Gly Leu Ile Ser Leu Asp Ser Arg Leu
 35 40 45
 His Thr Pro Met Tyr Phe Leu Ser His Leu Ala Val Val Asn Ile
 50 55 60
 Ala Tyr Ala Cys Asn Thr Val Pro Gln Met Leu Val Asn Leu His
 65 70 75 80
 Pro Ala Lys Pro Ile Ser Phe Ala Gly Cys Met Thr Xaa Thr Phe Leu
 85 90 95
 Phe Leu Ser Phe Ala His Thr Glu Cys Leu Leu Val Leu Met Ser
 100 105 110
 Tyr Asp Arg Tyr Val Ala Ile Cys His Pro Leu Arg Tyr Phe Ile Ile
 115 120 125
 Met Thr Trp Lys Val Cys Ile Thr Leu Ala Ile Thr Ser Trp Thr Cys
 130 135 140
 Gly Ser Leu Leu Ala Met Val His Val Ser Leu Ile Leu Arg Leu Pro
 145 150 155 160
 Phe Cys Gly Pro Arg Glu Ile Asn His Phe Phe Cys Glu Ile Leu Ser
 165 170 175
 Val Leu Arg Leu Ala Cys Ala Asp Thr Trp Leu Asn Gln Val Val Ile

180	185	190	
Phe Ala Ala Cys Met Phe Ile Leu Val Gly Pro Leu Cys Leu Val Leu			
195	200	205	
Val Ser Tyr Ser His Ile Leu Ala Ala Ile Leu Arg Ile Gln Ser Gly			
210	215	220	
Glu Gly Arg Arg Lys Ala Phe Ser Thr Cys Ser Ser His Leu Cys Val			
225	230	235	240
Val Gly Leu Phe Phe Gly Ser Ala Ser Val Met Tyr Met Ala Pro Lys			
245	250	255	
Ser Arg His Pro Glu Glu Gln Gln Lys Val Leu Phe Leu Phe Tyr Ser			
260	265	270	
Ser Phe Asn Pro Met Leu Asn Pro Leu Ile Tyr Asn Leu Arg Asn Val			
275	280	285	
Glu Val Lys Gly Ala Leu Arg Arg Ala Leu Cys Lys Glu Ser His Ser			
290	295	300	
Xaa Glu Val Xaa His Leu Asn Cys Gln Pro Gln Leu Ser Arg Gly Leu			
305	310	315	320
Leu Met Pro Asn Tyr Cys Leu Asn Pro Glu Lys			
325	330		

<210> 1871

<211> 310

<212> PRT

<213> Unknown (H38g789 protein)

<220>

<223> Synthetic construct

<400> 1871

Met Gly Asp Asn Ile Thr Ser Ile Thr Glu Phe Leu Leu Leu Gly Phe			
1	5	10	15
Pro Val Gly Pro Arg Ile Gln Met Leu Leu Phe Gly Leu Phe Ser Leu			
20	25	30	
Phe Tyr Val Phe Thr Leu Leu Gly Asn Gly Thr Ile Leu Gly Leu Ile			
35	40	45	
Ser Leu Asp Ser Arg Leu His Ala Pro Met Tyr Phe Phe Leu Ser His			
50	55	60	
Leu Ala Val Val Asp Ile Ala Tyr Ala Cys Asn Thr Val Pro Arg Met			
65	70	75	80
Leu Val Asn Leu Leu His Pro Ala Lys Pro Ile Ser Phe Ala Gly Arg			
85	90	95	
Met Met Gln Thr Phe Leu Phe Ser Thr Phe Ala Val Thr Glu Cys Leu			
100	105	110	
Leu Leu Val Val Met Ser Tyr Asp Leu Tyr Val Ala Ile Cys His Pro			
115	120	125	
Leu Arg Tyr Leu Ala Ile Met Thr Trp Arg Val Cys Ile Thr Leu Ala			
130	135	140	
Val Thr Ser Trp Thr Thr Gly Val Leu Leu Ser Leu Ile His Leu Val			
145	150	155	160
Leu Leu Leu Pro Leu Pro Phe Cys Arg Pro Gln Lys Ile Tyr His Phe			
165	170	175	
Phe Cys Glu Ile Leu Ala Val Leu Lys Leu Ala Cys Ala Asp Thr His			
180	185	190	
Ile Asn Glu Asn Met Val Leu Ala Gly Ala Ile Ser Gly Leu Val Gly			
195	200	205	
Pro Leu Ser Thr Ile Val Val Ser Tyr Met Cys Ile Leu Cys Ala Ile			
210	215	220	
Leu Gln Ile Gln Ser Arg Glu Val Gln Arg Lys Ala Phe Cys Thr Cys			
225	230	235	240
Phe Ser His Leu Cys Val Ile Gly Leu Phe Tyr Gly Thr Ala Ile Ile			
245	250	255	

Met Tyr Val Gly Pro Arg Tyr Gly Asn Pro Lys Glu Gln Lys Lys Tyr
 260 265 270
 Leu Pro Leu Phe His Ser Leu Phe Asn Pro Met Leu Asn Pro Leu Ile
 275 280 285
 Cys Ser Leu Arg Asn Ser Glu Val Lys Asn Thr Leu Lys Arg Val Leu
 290 295 300
 Gly Val Glu Arg Ala Leu
 305 310

<210> 1872

<211> 314

<212> PRT

<213> Unknown (H38g790 protein)

<220>

<223> Synthetic construct

<400> 1872

Met Lys Arg Gln Asn Gln Ser Cys Val Val Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Phe Ser Asn Phe Pro Glu Leu Gln Val Gln Leu Phe Gly Val Phe Leu
 20 25 30
 Val Ile Tyr Val Val Thr Leu Met Gly Asn Ala Ile Ile Thr Val Ile
 35 40 45
 Ile Ser Leu Asn Gln Ser Leu His Val Pro Met Tyr Leu Phe Leu Leu
 50 55 60
 Asn Leu Ser Val Val Glu Val Ser Phe Ser Ala Val Ile Thr Pro Glu
 65 70 75 80
 Met Leu Val Val Leu Ser Thr Glu Lys Thr Met Ile Ser Phe Val Gly
 85 90 95
 Cys Phe Ala Gln Met Tyr Phe Ile Leu Leu Phe Gly Gly Thr Glu Cys
 100 105 110
 Phe Leu Leu Gly Ala Met Ala Tyr Asp Arg Phe Ala Ala Ile Cys His
 115 120 125
 Pro Leu Asn Tyr Pro Val Ile Met Asn Arg Gly Val Phe Met Lys Leu
 130 135 140
 Val Ile Phe Ser Trp Ile Ser Gly Ile Met Val Ala Thr Val Gln Thr
 145 150 155 160
 Thr Trp Val Phe Ser Phe Pro Phe Cys Gly Pro Asn Glu Ile Asn His
 165 170 175
 Leu Phe Cys Glu Thr Pro Pro Val Leu Glu Leu Val Cys Ala Asp Thr
 180 185 190
 Phe Leu Phe Glu Ile Tyr Ala Phe Thr Gly Thr Ile Leu Ile Val Met
 195 200 205
 Val Pro Phe Leu Leu Ile Leu Leu Ser Tyr Ile Arg Val Leu Phe Ala
 210 215 220
 Ile Leu Lys Met Pro Ser Thr Thr Gly Arg Gln Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ala Ser His Leu Thr Ser Val Thr Leu Phe Tyr Gly Thr Ala Asn
 245 250 255
 Met Thr Tyr Leu Gln Pro Lys Ser Gly Tyr Ser Pro Glu Thr Lys Lys
 260 265 270
 Leu Ile Ser Leu Ala Tyr Thr Leu Leu Thr Pro Leu Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Ser Glu Met Lys Arg Thr Leu Ile Lys Leu
 290 295 300
 Trp Arg Arg Lys Val Ile Leu His Thr Phe
 305 310

<210> 1873

<211> 312

<212> PRT

<213> Unknown (H38g791 protein)

<220>

<223> Synthetic construct

<400> 1873

Met	Ser	Ala	Asn	Thr	Ser	Met	Val	Thr	Glu	Phe	Leu	Leu	Leu	Gly	Phe
1						5			10					15	
Ser	His	Leu	Ala	Asp	Leu	Gln	Gly	Leu	Leu	Phe	Ser	Val	Phe	Leu	Thr
								20	25					30	
Ile	Tyr	Leu	Leu	Thr	Val	Ala	Gly	Asn	Phe	Leu	Ile	Val	Val	Leu	Val
						35		40				45			
Ser	Thr	Asp	Ala	Ala	Leu	Gln	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Thr
								50	55			60			
Leu	Ser	Ala	Leu	Glu	Ile	Gly	Tyr	Thr	Ser	Val	Thr	Val	Pro	Leu	Leu
						65	70			75				80	
Leu	His	His	Leu	Leu	Thr	Gly	Arg	Arg	His	Ile	Ser	Arg	Ser	Gly	Cys
						85		90				95			
Ala	Leu	Gln	Met	Phe	Phe	Leu	Phe	Phe	Gly	Ala	Thr	Glu	Cys	Cys	
						100		105				110			
Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Glu	Pro
						115		120				125			
Leu	Arg	Tyr	Pro	Leu	Leu	Leu	Ser	His	Arg	Val	Cys	Leu	Gln	Leu	Ala
						130		135			140				
Gly	Ser	Ala	Trp	Ala	Cys	Gly	Val	Leu	Val	Gly	Leu	Gly	His	Thr	Pro
						145		150			155			160	
Phe	Ile	Phe	Ser	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Thr	Ile	Pro	Gln	Phe
						165		170				175			
Phe	Cys	Glu	Ile	Gln	Pro	Val	Leu	Gln	Leu	Val	Cys	Gly	Asp	Thr	Ser
						180		185				190			
Leu	Asn	Glu	Leu	Gln	Ile	Ile	Leu	Ala	Thr	Ala	Leu	Leu	Ile	Leu	Cys
						195		200			205				
Pro	Phe	Gly	Leu	Ile	Leu	Gly	Ser	Tyr	Gly	Arg	Ile	Leu	Val	Thr	Ile
						210		215			220				
Phe	Arg	Ile	Pro	Ser	Val	Ala	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys
						225		230			235			240	
Ser	Ser	His	Leu	Ile	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ala	Leu	Phe
						245		250			255				
Ile	Tyr	Ile	Arg	Pro	Lys	Ala	Ser	Tyr	Asp	Pro	Ala	Thr	Asp	Pro	Leu
						260		265			270				
Val	Ser	Leu	Phe	Tyr	Ala	Val	Val	Thr	Pro	Ile	Leu	Asn	Pro	Ile	Ile
						275		280			285				
Tyr	Ser	Leu	Arg	Asn	Thr	Glu	Val	Lys	Ala	Ala	Leu	Lys	Arg	Thr	Ile
						290		295			300				
Gln	Lys	Thr	Val	Pro	Met	Glu	Ile								
						305		310							

<210> 1874

<211> 276

<212> PRT

<213> Unknown (H38g792 protein)

<220>

<223> Synthetic construct

<400> 1874

Met	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala	Ala
1						5			10				15		
Ile	Ser	Asp	Ser	Cys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn
						20		25				30			

Leu Ser Phe Val Asp Ile Cys Phe Ala Ser Thr Met Val Pro Lys Met
 35 40 45
 Leu Val Asn Ile Gln Thr Gln Ser Lys Val Ile Thr Tyr Ala Gly Cys
 50 55 60
 Ile Thr Gln Met Cys Phe Phe Val Leu Phe Ile Val Leu Asp Ser Leu
 65 70 75 80
 Leu Leu Thr Val Met Ala Tyr Asp Gln Phe Val Ala Ile Cys His Pro
 85 90 95
 Leu His Tyr Thr Val Ile Met Ser Pro Gln Leu Cys Gly Leu Leu Val
 100 105 110
 Leu Val Ser Trp Ile Met Ser Val Leu Asn Ser Met Leu Gln Ser Leu
 115 120 125
 Val Thr Leu Gln Leu Ser Phe Cys Thr Asp Leu Glu Ile Pro His Phe
 130 135 140
 Phe Cys Glu Leu Asn Glu Met Ile His Leu Ala Cys Ser Asp Thr Phe
 145 150 155 160
 Val Asn Asn Met Val Met His Phe Ala Ala Val Leu Leu Asp Gly Gly
 165 170 175
 Pro Leu Val Gly Ile Leu Tyr Ser Tyr Cys Arg Ile Val Ser Ser Ile
 180 185 190
 Arg Ala Ile Ser Ser Thr Gln Gly Lys Tyr Lys Ala Leu Ser Thr Cys
 195 200 205
 Ala Ser His Leu Ser Val Val Ser Ile Phe Tyr Gly Thr Gly Leu Gly
 210 215 220
 Val Tyr Leu Ser Ser Thr Met Thr Gln Asn Leu His Ser Thr Ala Val
 225 230 235 240
 Ala Ser Val Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro Phe Ile
 245 250 255
 Tyr Ser Leu Arg Asn Lys Asp Ile Lys Gly Ala Leu Thr Gln Phe Phe
 260 265 270
 Arg Gly Lys Gln
 275

<210> 1875

<211> 317

<212> PRT

<213> Unknown (H38g793 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(317)

<223> Xaa = Any Amino Acid

<400> 1875

Ser Ile Thr Trp Glu Asn His Ser Val Leu Met Glu Phe Val Phe Leu
 1 5 10 15
 Ala Tyr Pro Ser Cys Pro Glu Leu His Ile Leu Ser Phe Leu Gly Val
 20 25 30
 Ser Leu Val Tyr Gly Leu Ile Ile Thr Gly Asn Ile Leu Ile Val Val
 35 40 45
 Ser Ile His Thr Glu Thr Cys Leu Cys Thr Ser Met Tyr Tyr Phe Leu
 50 55 60
 Gly Ser Leu Ser Gly Ile Glu Ile Cys Tyr Thr Ala Val Val Pro
 65 70 75 80
 His Ile Leu Ala Asn Thr Leu Gln Ser Glu Lys Thr Ser Leu Ser Val
 85 90 95
 Gly Cys Ala Thr Gln Met Ala Phe Phe Ile Ala Leu Gly Ser Ala Asp
 100 105 110
 Cys Phe Leu Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys

115	120	125
His Pro Leu Gln Tyr Pro Leu Leu Met Thr Leu Thr Leu Cys Val His		
130	135	140
Leu Val Val Ala Ser Val Ile Ser Gly Leu Phe Leu Ser Leu Gln Leu		
145	150	155
Val Ala Phe Ile Phe Ser Leu Pro Phe Cys Gln Ala Gln Gly Ile Glu		
165	170	175
His Phe Phe Cys Asp Val Pro Pro Val Met His Val Val Cys Ala Gln		
180	185	190
Ser His Ile His Glu Gln Ser Val Leu Val Ala Ala Ile Leu Ala Ile		
195	200	205
Ala Val Pro Phe Phe Leu Ile Thr Thr Ser Tyr Thr Phe Ile Val Ala		
210	215	220
Ala Leu Leu Lys Ile His Ser Ala Ala Gly Arg His Arg Ala Phe Ser		
225	230	235
Thr Cys Ser Ser His Leu Thr Val Val Leu Leu Gln Tyr Gly Cys Cys		
245	250	255
Ala Phe Met Tyr Leu Cys Pro Ser Ser Ser Tyr Asn Pro Lys Gln Asp		
260	265	270
Arg Phe Ile Ser Leu Val Tyr Thr Leu Gly Thr Pro Leu Leu Asn Pro		
275	280	285
Leu Ile Tyr Ala Leu Arg Asn Ser Glu Met Lys Gly Ala Val Gly Arg		
290	295	300
Val Leu Thr Arg Asn Cys Leu Ser Gln Asn Ser Xaa Glu		
305	310	315

<210> 1876

<211> 309

<212> PRT

<213> Unknown (H38g794 protein)

<220>

<223> Synthetic construct

<400> 1876

Met Glu Pro Glu Asn Asp Thr Gly Ile Ser Glu Phe Val Leu Leu Gly			
1	5	10	15
Leu Ser Glu Glu Pro Glu Leu Gln Pro Phe Leu Phe Gly Leu Phe Leu			
20	25	30	
Ser Met Tyr Leu Val Thr Val Leu Gly Asn Leu Leu Ile Ile Leu Ala			
35	40	45	
Thr Ile Ser Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser			
50	55	60	
Asn Leu Ser Phe Ala Asp Ile Cys Phe Ile Ser Thr Thr Ile Pro Lys			
65	70	75	80
Met Leu Ile Asn Ile Gln Thr Gln Ser Arg Val Ile Thr Tyr Ala Gly			
85	90	95	
Cys Ile Thr Gln Met Cys Phe Phe Val Leu Phe Gly Leu Asp Ser			
100	105	110	
Leu Leu Ala Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys His			
115	120	125	
Pro Leu His Tyr Thr Val Ile Met Asn Pro Arg Leu Cys Gly Leu Leu			
130	135	140	
Val Leu Ala Ser Trp Met Ile Ala Ala Leu Asn Ser Leu Ser Gln Ser			
145	150	155	160
Leu Met Val Leu Trp Leu Ser Phe Cys Thr Asp Leu Glu Ile Pro His			
165	170	175	
Phe Phe Cys Glu Leu Asn Gln Val Ile His Leu Ala Cys Ser Asp Thr			
180	185	190	
Phe Leu Asn Asp Met Gly Met Tyr Phe Ala Ala Gly Leu Leu Ala Gly			
195	200	205	

Gly Pro Leu Val Gly Ile Leu Cys Ser Tyr Ser Lys Ile Val Ser Ser
 210 215 220
 Ile Arg Ala Ile Ser Ser Ala Gln Gly Lys Tyr Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ala Ser His Leu Ser Val Val Ser Leu Phe Cys Cys Thr Gly Leu
 245 250 255
 Gly Val Tyr Leu Thr Ser Ala Ala Thr His Asn Ser His Thr Ser Ala
 260 265 270
 Thr Ala Ser Val Met Tyr Thr Val Ala Thr Pro Met Leu Asn Pro Phe
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Ile Lys Arg Ala Leu Lys Met Ser
 290 295 300
 Phe Arg Gly Lys Gln
 305

<210> 1877

<211> 314

<212> PRT

<213> Unknown (H38g795 protein)

<220>

<223> Synthetic construct

<400> 1877

Met Glu Asn Asn Thr Glu Val Ser Glu Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Asn Ala Pro Glu Leu Gln Val Pro Leu Phe Ile Met Phe Thr Leu Ile
 20 25 30
 Tyr Leu Ile Thr Leu Thr Gly Asn Leu Gly Met Ile Ile Leu Ile Leu
 35 40 45
 Leu Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser Asn Leu
 50 55 60
 Ser Leu Ala Gly Ile Gly Tyr Ser Ser Ala Val Thr Pro Lys Val Leu
 65 70 75 80
 Thr Gly Leu Leu Ile Glu Asp Lys Ala Ile Ser Tyr Ser Ala Cys Ala
 85 90 95
 Ala Gln Met Phe Phe Cys Ala Val Phe Ala Thr Val Glu Asn Tyr Leu
 100 105 110
 Leu Ser Ser Met Ala Tyr Asp Arg Tyr Ala Ala Val Cys Asn Pro Leu
 115 120 125
 His Tyr Thr Thr Thr Met Thr Arg Val Cys Ala Cys Leu Ala Ile
 130 135 140
 Gly Cys Tyr Val Ile Gly Phe Leu Asn Ala Ser Ile Gln Ile Gly Asp
 145 150 155 160
 Thr Phe Arg Leu Ser Phe Cys Met Ser Asn Val Ile His His Phe Phe
 165 170 175
 Cys Asp Lys Pro Ala Val Ile Thr Leu Thr Cys Ser Glu Lys His Ile
 180 185 190
 Ser Glu Leu Ile Leu Val Leu Ile Ser Ser Phe Asn Val Phe Phe Ala
 195 200 205
 Leu Leu Val Thr Leu Ile Ser Tyr Leu Phe Ile Leu Ile Thr Ile Leu
 210 215 220
 Lys Arg His Thr Gly Lys Gly Tyr Gln Lys Pro Leu Ser Thr Cys Gly
 225 230 235 240
 Ser His Leu Ile Ala Ile Phe Leu Phe Tyr Ile Thr Val Ile Ile Met
 245 250 255
 Tyr Ile Arg Pro Ser Ser Ser His Ser Met Asp Thr Asp Lys Ile Ala
 260 265 270
 Ser Val Phe Tyr Thr Met Ile Ile Pro Met Leu Ser Pro Ile Val Tyr
 275 280 285
 Thr Leu Arg Asn Lys Asp Val Lys Asn Ala Phe Met Lys Val Val Glu

290	295	300
Lys Ala Lys Tyr Ser Leu Asp Ser Val Phe		
305	310	

<210> 1878
<211> 315
<212> PRT
<213> Unknown (H38g796 protein)

<220>
<223> Synthetic construct

<221> VARIANT
<222> (1)...(315)
<223> Xaa = Any Amino Acid

<400> 1878

Met Xaa Asn Asn Ser Lys Phe Thr Asp Phe Ile Leu Val Gly Leu Thr			
1	5	10	15
Asn Ala Thr Glu Leu Gln Ile Pro Leu Phe Ile Leu Phe Ile Leu Ile			
20	25	30	
His Leu Leu Ile Leu Thr Arg Asn Leu Glu Ile Ile Leu Leu Ile Leu			
35	40	45	
Leu Asp Ser Cys Leu His Ile Pro Met Tyr Phe Phe Leu Ser Asn Leu			
50	55	60	
Ser Leu Leu Gly Tyr Leu Thr Val Thr Pro Arg Val Thr Ala Ser Arg			
65	70	75	80
Ala Gly Tyr Leu Glu Gly Arg Arg Leu Ser Ser Ser Tyr Asn Ala Cys			
85	90	95	
Ala Ala Gln Met Phe Phe Val Ala Leu Ala Thr Val Glu Asn Met			
100	105	110	
Leu Leu Thr Ser Met Ala Tyr Asp His Tyr Ile Ala Val Cys Lys Pro			
115	120	125	
Leu His Tyr Thr Thr Ile Ala Ser Val Cys Ala His Leu Val			
130	135	140	
Ile Gly Ser Tyr Val Cys Gly Phe Leu Asn Ala Ser Leu Arg Ile Gly			
145	150	155	160
Asp Ile Phe Ser Leu Ser Phe Cys Lys Ser Asn Leu Val His His Leu			
165	170	175	
Phe Cys Asp Val Pro Pro Val Met Ala Val Ser Cys Ser Gly Lys His			
180	185	190	
Ile Ser Lys Ile Leu Val Phe Met Ser Ser Phe Asn Val Phe Leu			
195	200	205	
Ala Leu Leu Val Ile Leu Thr Ser Tyr Leu Phe Ile Phe Ile Thr Ile			
210	215	220	
Leu Lys Met His Ser Ala Gln Gly His Leu Lys Ala Leu Ser Thr Cys			
225	230	235	240
Ala Ser His Leu Ile Ala Val Ser Ile Phe Tyr Gly Thr Thr Ile Phe			
245	250	255	
Met His Leu Gln Pro Ser Ser Ser His Ser Met Asp Thr Asp Glu Met			
260	265	270	
Ala Ser Leu Phe Tyr Ala Val Phe Ile Ser Met Leu Asn Leu Val Phe			
275	280	285	
Tyr Ser Leu Arg Ser Lys Glu Val Lys Asn Ala Phe Lys Lys Ala Val			
290	295	300	
Glu Lys Ala Lys Phe Phe Leu Glu Leu Xaa Phe			
305	310	315	

<210> 1879
<211> 314
<212> PRT

<213> Unknown (H38g797 protein)

<220>

<223> Synthetic construct

<400> 1879

Met Asp Asn Ser Asn Trp Thr Ser Val Ser His Phe Val Leu Leu Gly
 1 5 10 15
 Ile Ser Thr His Pro Glu Glu Gln Ile Pro Leu Phe Leu Val Phe Ser
 20 25 30
 Leu Met Tyr Ala Ile Asn Ile Ser Gly Asn Leu Ala Ile Ile Thr Leu
 35 40 45
 Ile Leu Ser Ala Pro Arg Leu His Ile Pro Met Tyr Ile Phe Leu Ser
 50 55 60
 Asn Leu Ala Leu Thr Asp Ile Cys Phe Thr Ser Thr Thr Val Pro Lys
 65 70 75 80
 Met Leu Gln Ile Ile Phe Ser Pro Thr Lys Val Ile Ser Tyr Thr Gly
 85 90 95
 Cys Leu Ala Gln Thr Tyr Phe Phe Ile Cys Phe Ala Val Met Glu Asn
 100 105 110
 Phe Ile Leu Ala Val Met Ala Tyr Asp Arg Tyr Ile Ala Ile Cys His
 115 120 125
 Pro Phe His Tyr Thr Met Ile Leu Thr Arg Met Leu Cys Val Lys Met
 130 135 140
 Val Val Met Cys His Ala Leu Ser His Leu His Ala Met Leu His Thr
 145 150 155 160
 Phe Leu Met Gly Gln Leu Ile Phe Cys Ala Asp Asn Arg Ile Pro His
 165 170 175
 Phe Phe Cys Asp Leu Tyr Ala Leu Met Lys Ile Ser Cys Thr Ser Thr
 180 185 190
 Tyr Leu Asn Thr Leu Met Ile His Thr Glu Gly Ala Val Val Ile Ser
 195 200 205
 Gly Ala Leu Ala Phe Ile Thr Ala Ser Tyr Ala Cys Ile Ile Leu Val
 210 215 220
 Val Leu Arg Ile Pro Ser Ala Lys Gly Arg Trp Lys Thr Phe Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Thr Val Val Ala Ile Phe Tyr Gly Thr Leu Ser
 245 250 255
 Trp Val Tyr Phe Arg Pro Leu Ser Ser Tyr Ser Val Thr Lys Gly Arg
 260 265 270
 Ile Ile Thr Val Val Tyr Thr Val Val Thr Pro Met Leu Asn Pro Phe
 275 280 285
 Ile Tyr Ser Leu Arg Asn Gly Asp Val Lys Gly Phe Met Lys Trp
 290 295 300
 Met Ser Arg Met Gln Thr Phe Phe Arg
 305 310

<210> 1880

<211> 316

<212> PRT

<213> Unknown (H38g798 protein)

<220>

<223> Synthetic construct

<400> 1880

Met Val Asn Gln Ser Ser Pro Met Gly Phe Leu Leu Leu Gly Phe Ser
 1 5 10 15
 Glu His Pro Ala Leu Glu Arg Thr Leu Phe Val Val Val Phe Thr Ser
 20 25 30
 Tyr Leu Leu Thr Leu Val Gly Asn Thr Leu Ile Ile Leu Ser Val

35	40	45
Leu Tyr Pro Arg Leu His Ser Pro Met Tyr Phe Phe	Leu Ser Asp Leu	
50 55	60	
Ser Phe Leu Asp Leu Cys Phe Thr Thr Ser Cys Val	Pro Gln Met Leu	
65 70	75	80
Val Asn Leu Trp Gly Pro Lys Lys Thr Ile Ser Phe	Leu Gly Cys Ser	
85	90	95
Val Gln Leu Phe Ile Phe Leu Ser Leu Gly Thr Thr	Glu Cys Ile Leu	
100	105	110
Leu Thr Val Met Ala Phe Asp Arg Tyr Val Ala Val	Cys Gln Pro Leu	
115	120	125
His Tyr Ala Thr Ile Ile His Pro Arg Leu Cys Trp	Gln Leu Ala Ser	
130	135	140
Val Ala Trp Val Met Ser Leu Val Gln Ser Ile Val	Gln Thr Pro Ser	
145 150	155	160
Thr Leu His Leu Pro Phe Cys Pro His Gln Gln Ile	Asp Asp Phe Leu	
165	170	175
Cys Glu Val Pro Ser Leu Ile Arg Leu Ser Cys Gly	Asp Thr Ser Tyr	
180	185	190
Asn Glu Ile Gln Leu Ala Val Ser Ser Val Ile Phe	Val Val Val Pro	
195	200	205
Leu Ser Leu Ile Leu Ala Ser Tyr Gly Ala Thr Ala	Gln Ala Val Leu	
210	215	220
Arg Ile Asn Ser Ala Thr Ala Trp Arg Lys Ala Phe	Gly Thr Cys Ser	
225 230	235	240
Ser His Leu Thr Val Val Thr Leu Phe Tyr Ser Ser	Val Ile Ala Val	
245	250	255
Tyr Leu Gln Pro Lys Asn Pro Tyr Ala Gln Gly Arg	Gly Lys Phe Phe	
260	265	270
Gly Leu Phe Tyr Ala Val Gly Thr Pro Ser Leu Asn	Pro Leu Val Tyr	
275	280	285
Thr Leu Arg Asn Lys Glu Ile Lys Arg Ala Leu Arg	Arg Leu Leu Gly	
290	295	300
Lys Glu Arg Asp Ser Arg Glu Ser Trp Arg Ala Ala		
305	310	315

<210> 1881

<211> 324

<212> PRT

<213> Unknown (H38g799 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(324)

<223> Xaa = Any Amino Acid

<400> 1881

His Thr Glu Pro Arg Asn Leu Thr Gly Val Xaa Glu Phe	Leu Leu
1 5	10 15
Gly Leu Ser Glu Asp Pro Glu Leu Gln Pro Val Leu Ala	Leu Leu Ser
20 25	30
Leu Ser Leu Ser Met Tyr Met Val Thr Val Leu Arg Asn	Leu Leu Ser
35 40	45
Ile Leu Ala Val Ser Ser Asp Ser Pro Leu His Thr Pro	Met Cys Phe
50 55	60
Phe Leu Ser Lys Leu Cys Xaa Ala Asp Ile Gly Phe Thr	Leu Ala Met
65 70	75 80
Val Pro Lys Met Ile Val Asn Met Gln Ser His Ser Arg	Val Ile Ser
85	90 95

Tyr Glu Gly Cys Leu Thr Arg Met Ser Phe Phe Val Leu Phe Ala Cys
 100 105 110
 Met Glu Asp Met Leu Leu Thr Val Met Ala Tyr Asp Cys Phe Val Ala
 115 120 125
 Ile Cys Arg Pro Leu His Tyr Pro Val Ile Val Asn Pro His Leu Cys
 130 135 140
 Val Phe Phe Val Leu Val Ser Phe Phe Leu Ser Pro Leu Asp Ser Gln
 145 150 155 160
 Leu His Ser Trp Ile Val Leu Leu Phe Thr Ile Ile Lys Asn Val Glu
 165 170 175
 Ile Thr Asn Phe Val Cys Glu Pro Ser Gln Leu Leu Asn Leu Ala Cys
 180 185 190
 Ser Asp Ser Val Ile Asn Asn Ile Phe Ile Tyr Phe Asp Ser Thr Met
 195 200 205
 Phe Gly Phe Leu Pro Ile Ser Gly Ile Leu Leu Ser Tyr Tyr Lys Ile
 210 215 220
 Val Pro Ser Ile Leu Arg Met Ser Ser Asp Gly Lys Tyr Lys Gly
 225 230 235 240
 Phe Ser Thr Cys Gly Ser Tyr Leu Ala Val Val Cys Xaa Phe Asp Gly
 245 250 255
 Thr Gly Ile Gly Met Tyr Leu Thr Ser Ala Val Ser Pro Pro Pro Arg
 260 265 270
 Asn Gly Val Val Ala Ser Val Met Tyr Ala Val Val Thr Pro Met Leu
 275 280 285
 Asn Leu Phe Ile Tyr Ser Leu Gly Lys Arg Asp Ile Gln Ser Val Leu
 290 295 300
 Arg Arg Leu Cys Ser Arg Thr Val Glu Ser Pro Xaa Tyr Val Pro Ser
 305 310 315 320
 Phe Phe Leu Cys

<210> 1882
 <211> 158
 <212> PRT
 <213> Unknown (H38g800 protein)

<220>
 <223> Synthetic construct

<400> 1882
 Met Glu Pro Glu Asn Gly Thr Arg Ile Leu Gly Phe Leu Leu Leu Gly
 1 5 10 15
 Leu Ser Glu Glu Pro Glu Leu Gln Pro Val Met Phe Gly Leu Phe Leu
 20 25 30
 Ser Met Tyr Leu Thr Thr Val Phe Gly Asn Leu Leu Ile Ile Leu Ala
 35 40 45
 Ile Cys Ser Gly Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Asn Leu Ser Phe Val Asp Ile Cys Val Thr Ser Thr Thr Val Pro Lys
 65 70 75 80
 Thr Leu Ser Asn Ile Arg Thr Gln Ser Lys Val Ile Thr Tyr Ala Gly
 85 90 95
 Cys Ile Thr Gln Met Tyr Phe Phe Val Leu Phe Ile Val Leu Asp Ser
 100 105 110
 Leu Leu Leu Thr Val Met Ala Tyr Asp Gln Phe Val Ala Ile Cys His
 115 120 125
 Pro Leu His Tyr Thr Val Ile Val Asn Pro Arg Leu Cys Gly Leu Leu
 130 135 140
 Val Leu Ala Ser Trp Ile Met Ser Ala Leu Asn Ser Leu Ile
 145 150 155

<210> 1883
 <211> 318
 <212> PRT
 <213> Unknown (H38g801 protein)

<220>
 <223> Synthetic construct

<400> 1883

Met	Met	Ser	Phe	Ala	Pro	Asn	Ala	Ser	His	Ser	Pro	Val	Phe	Leu	Leu
1				5				10					15		
Leu	Gly	Phe	Ser	Arg	Ala	Asn	Ile	Ser	Tyr	Thr	Leu	Leu	Phe	Phe	Leu
					20			25					30		
Phe	Leu	Ala	Ile	Tyr	Leu	Thr	Thr	Ile	Leu	Gly	Asn	Val	Thr	Leu	Val
					35			40					45		
Leu	Leu	Ile	Ser	Trp	Asp	Ser	Arg	Leu	His	Ser	Pro	Met	Tyr	Tyr	Leu
					50			55				60			
Leu	Arg	Gly	Leu	Ser	Val	Ile	Asp	Met	Gly	Leu	Ser	Thr	Val	Thr	Leu
					65			70			75		80		
Pro	Gln	Leu	Leu	Ala	His	Leu	Val	Ser	His	Tyr	Pro	Thr	Ile	Pro	Ala
					85				90				95		
Ala	Arg	Cys	Leu	Ala	Gln	Phe	Phe	Phe	Tyr	Ala	Phe	Gly	Val	Thr	
					100			105				110			
Asp	Thr	Leu	Val	Ile	Ala	Val	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile
					115			120				125			
Cys	Asp	Pro	Leu	His	Tyr	Ala	Leu	Val	Met	Asn	His	Gln	Arg	Cys	Ala
					130			135				140			
Cys	Leu	Leu	Ala	Leu	Ser	Trp	Val	Val	Ser	Ile	Leu	His	Thr	Met	Leu
					145			150			155		160		
Arg	Val	Gly	Leu	Val	Leu	Pro	Leu	Cys	Trp	Thr	Gly	Asp	Ala	Gly	Gly
					165				170				175		
Asn	Val	Asn	Leu	Pro	His	Phe	Phe	Cys	Asp	His	Arg	Pro	Leu	Leu	Arg
					180			185				190			
Ala	Ser	Cys	Ser	Asp	Ile	His	Ser	Asn	Glu	Leu	Ala	Ile	Phe	Phe	Glu
					195			200				205			
Gly	Gly	Phe	Leu	Met	Leu	Gly	Pro	Cys	Ala	Leu	Ile	Val	Leu	Ser	Tyr
					210			215				220			
Val	Arg	Ile	Gly	Ala	Ala	Ile	Leu	Arg	Leu	Pro	Ser	Ala	Ala	Gly	Arg
					225			230			235		240		
Arg	Arg	Ala	Val	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Met	Val	Gly	Phe
					245				250				255		
Leu	Tyr	Gly	Thr	Ile	Ile	Cys	Val	Tyr	Phe	Gln	Pro	Pro	Phe	Gln	Asn
					260			265				270			
Ser	Gln	Tyr	Gln	Asp	Met	Val	Ala	Ser	Val	Met	Tyr	Thr	Ala	Ile	Thr
					275			280				285			
Pro	Leu	Ala	Asn	Pro	Phe	Val	Tyr	Ser	Leu	His	Asn	Lys	Asp	Val	Lys
					290			295				300			
Gly	Ala	Leu	Cys	Arg	Leu	Leu	Glu	Trp	Val	Lys	Val	Asp	Pro		
					305			310				315			

<210> 1884
 <211> 307
 <212> PRT
 <213> Unknown (H38g802 protein)

<220>
 <223> Synthetic construct

<400> 1884

Met	Leu	Asn	Thr	Thr	Ser	Val	Thr	Glu	Phe	Leu	Leu	Leu	Gly	Val	Thr
1					5			10					15		

Asp Ile Gln Glu Leu Gln Pro Phe Leu Phe Val Val Phe Leu Thr Ile
 20 25 30
 Tyr Phe Ile Ser Val Thr Gly Asn Gly Ala Val Leu Met Ile Val Ile
 35 40 45
 Ser Asp Pro Arg Leu His Ser Leu Met Tyr Phe Phe Leu Gly Asn Leu
 50 55 60
 Ser Tyr Leu Asp Ile Cys Tyr Ser Thr Val Thr Leu Pro Lys Met Leu
 65 70 75 80
 Gln Asn Phe Leu Ser Thr His Lys Ala Ile Ser Phe Leu Gly Cys Ile
 85 90 95
 Ser Gln Leu His Phe His Phe Leu Gly Ser Thr Glu Ser Met Leu
 100 105 110
 Phe Ala Val Met Ala Phe Asp Leu Ser Val Ala Ile Cys Lys Pro Leu
 115 120 125
 Arg Tyr Thr Val Ile Met Asn Pro Gln Leu Cys Thr Gln Met Ala Ile
 130 135 140
 Thr Ile Trp Val Ile Gly Phe Phe His Ala Leu Leu His Ser Val Met
 145 150 155 160
 Thr Ser Arg Leu Asn Phe Cys Gly Ser Asn Arg Ile His His Phe Leu
 165 170 175
 Cys Asp Ile Lys Pro Leu Leu Lys Leu Ala Cys Gly Asn Thr Glu Leu
 180 185 190
 Asn Gln Trp Leu Leu Ser Thr Val Thr Gly Thr Ile Ala Met Gly Pro
 195 200 205
 Phe Phe Leu Thr Leu Leu Ser Tyr Phe Tyr Ile Ile Thr Tyr Leu Phe
 210 215 220
 Phe Lys Thr Arg Ser Cys Ser Met Leu Cys Lys Ala Leu Ser Thr Cys
 225 230 235 240
 Ala Ser His Phe Met Val Val Ile Leu Phe Tyr Ala Pro Val Leu Phe
 245 250 255
 Thr Tyr Ile His Pro Ala Leu Glu Ser Phe Met Asp Gln Asp Arg Ile
 260 265 270
 Val Ala Ile Met Tyr Thr Val Val Thr Pro Val Leu Asn Pro Leu Ile
 275 280 285
 Tyr Thr Leu Arg Asn Lys Glu Val Lys Gly Ala Leu Gly Arg Val Ile
 290 295 300
 Arg Arg Leu
 305

<210> 1885
 <211> 320
 <212> PRT
 <213> Unknown (H38g803 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(320)
 <223> Xaa = Any Amino Acid

<400> 1885
 Gln Pro Arg Asn Leu Thr Asp Val Xaa Glu Phe Leu Leu Met Gly Leu
 1 5 10 15
 Ser Glu Asp Pro Glu Leu Gln Pro Val Leu Ala Gly Leu Ser Leu Ser
 20 25 30
 Met Tyr Leu Val Thr Val Leu Arg Asn Leu Leu Ser Ile Leu Ala Val
 35 40 45
 Ser Ser Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser Asn
 50 55 60
 Leu Cys Trp Ala Asp Ile Gly Phe Thr Ser Ala Thr Val Pro Lys Ile

65	70	75	80
Ile Val Asp Met Gln Ser His Ser Arg Val Ile Ser Tyr Val Gly Cys			
85	90	95	
Leu Thr Arg Met Ser Phe Leu Val Leu Phe Ala Cys Ile Glu Asp Met			
100	105	110	
Leu Leu Thr Val Met Ala Tyr Asp Cys Phe Val Ala Ile Cys Arg Pro			
115	120	125	
Leu His Tyr Pro Val Ile Val Asn Ala His Leu Arg Val Phe Leu Val			
130	135	140	
Leu Val Ser Phe Phe Leu Ser Leu Leu Asp Ser Gln Leu His Ser Xaa			
145	150	155	160
Ile Val Leu Gln Phe Thr Phe Phe Lys Asn Val Glu Ile Ser Asn Phe			
165	170	175	
Val Cys Glu Pro Ser Gln Leu Leu Lys Leu Ala Cys Ser Asp Ser Ile			
180	185	190	
Ile Asn Ser Ile Phe Ile Tyr Phe Asp Ser Thr Met Phe Gly Phe Leu			
195	200	205	
Pro Ile Ser Gly Ile Leu Leu Ser Tyr Cys Lys Ile Val Pro Ser Ile			
210	215	220	
Leu Arg Ile Ser Thr Ser Asp Gly Lys Tyr Lys Ala Phe Ser Thr Cys			
225	230	235	240
Gly Ser His Leu Ala Leu Val Cys Leu Phe Tyr Gly Ala Gly Ile Gly			
245	250	255	
Val Tyr Leu Thr Ser Ala Val Ser Pro Pro Pro Arg Asn Gly Val Val			
260	265	270	
Val Ser Val Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro Phe Ile			
275	280	285	
Tyr Ser Leu Arg Asn Arg Asp Ile Gln Ser Thr Leu Arg Arg Leu Leu			
290	295	300	
Ser Arg Thr Val Glu Ser Pro Xaa Ser Val Pro Ser Phe Phe Leu Cys			
305	310	315	320

<210> 1886

<211> 328

<212> PRT

<213> Unknown (H38g804 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(328)

<223> Xaa = Any Amino Acid

<400> 1886

Met Ala Pro Gly Asn Gly Ser Phe Val Thr Glu Phe Ile Leu Ala Gly			
1	5	10	15
Leu Thr His Gln Pro Asp Leu Gln Ser Pro Leu Phe Phe Leu Phe Leu			
20	25	30	
Val Ile Tyr Val Val Thr Leu Leu Gly Asn Leu Gly Leu Val Thr Leu			
35	40	45	
Ile Gly Leu Asn Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Phe			
50	55	60	
Asn Leu Ser Phe Ile Asp Leu Cys Tyr Ser Ser Val Phe Ile Pro Lys			
65	70	75	80
Met Leu Met Asn Phe Ile Ser Glu Lys Asn Ile Met Ser Phe Lys Gly			
85	90	95	
Cys Met Thr Gln Leu Ser Phe Tyr Xaa Phe Phe Val Val Ile Ser Glu			
100	105	110	
Gly Tyr Val Leu Thr Ser Met Ala Tyr Asp Arg Val Ala Ile Cys Thr			
115	120	125	

Pro Leu Leu Tyr His Ile Ala Met Ser Pro Thr Val Cys Ser Ser Leu
 130 135 140
 Met Phe Gly Ser Tyr Leu Met Pro Phe Ser Gly Ala Met Ala His Thr
 145 150 155 160
 Gly Cys Met Leu Arg Leu Thr Phe Cys Asp Ala Asn Thr Ile Asp His
 165 170 175
 Tyr Phe Cys Asp Ile Leu Pro Leu Leu Gln Leu Ser Cys Thr Ser Thr
 180 185 190
 Tyr Ile Asn Glu Leu Val Val Phe Thr Val Val Gly Ile Asn Ile Ile
 195 200 205
 Val Pro Thr Val Thr Ile Phe Ile Ser Tyr Gly Phe Ile Leu Ser Ser
 210 215 220
 Ile Leu His Ile Ser Ser Lys Glu Gly Arg Ser Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ser Ser His Ile Ile Ala Val Ser Leu Phe Phe Gly Ser Gly Ala
 245 250 255
 Phe Met Tyr Leu Asn Pro Ser Ser Ala Gly Ser Met Asp Lys Arg Lys
 260 265 270
 Leu Ser Ser Val Phe Tyr Thr Asn Val Val Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Phe Ala Leu Arg Lys Ala
 290 295 300
 Leu Ser Ser Arg Lys Leu Xaa Xaa Val Ile Val Cys Val Cys Val Tyr
 305 310 315 320
 Ser His Lys Thr Gly Ile Phe Cys
 325

<210> 1887

<211> 310

<212> PRT

<213> Unknown (H38g805 protein)

<220>

<223> Synthetic construct

<400> 1887

Met Gly Arg Asn Asn Leu Thr Arg Pro Ser Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Ser Ser Arg Pro Glu Asp Gln Lys Pro Leu Phe Ala Val Phe Leu
 20 25 30
 Pro Ile Tyr Leu Ile Thr Val Ile Gly Asn Leu Leu Ile Ile Leu Ala
 35 40 45
 Ile Arg Ser Asp Thr Arg Leu Gln Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Ile Leu Ser Phe Val Asp Ile Cys Tyr Val Thr Val Ile Ile Pro Lys
 65 70 75 80
 Met Leu Val Asn Phe Leu Ser Glu Thr Lys Thr Ile Ser Tyr Ser Glu
 85 90 95
 Cys Leu Thr Gln Met Tyr Phe Phe Leu Ala Phe Gly Asn Thr Asp Ser
 100 105 110
 Tyr Leu Leu Ala Ala Met Ala Ile Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Phe His Tyr Ile Thr Ile Met Ser His Arg Cys Cys Val Leu Leu
 130 135 140
 Leu Val Leu Ser Phe Cys Ile Pro His Phe His Ser Leu Leu His Ile
 145 150 155 160
 Leu Leu Thr Asn Gln Leu Ile Phe Cys Ala Ser Asn Val Ile His His
 165 170 175
 Phe Phe Cys Asp Asp Gln Pro Val Leu Lys Leu Ser Cys Ser Ser His
 180 185 190
 Phe Val Lys Glu Ile Thr Val Met Thr Glu Gly Leu Ala Val Ile Met

195	200	205
Thr Pro Phe Ser Cys Ile Ile Ser Tyr Leu Arg Ile Leu Ile Thr		
210	215	220
Val Leu Lys Ile Pro Ser Ala Ala Gly Lys Arg Lys Ala Phe Ser Thr		
225	230	235
Cys Gly Ser His Leu Thr Val Val Thr Leu Phe Tyr Gly Ser Ile Ser		
245	250	255
Tyr Leu Tyr Phe Gln Pro Leu Ser Asn Tyr Thr Val Lys Asp Gln Ile		
260	265	270
Ala Thr Ile Ile Tyr Thr Val Leu Thr Pro Met Leu Asn Pro Phe Ile		
275	280	285
Tyr Ser Leu Arg Asn Lys Asp Met Lys Gln Gly Leu Ala Lys Leu Met		
290	295	300
His Arg Met Lys Cys Gln		
305	310	

<210> 1888

<211> 315

<212> PRT

<213> Unknown (H38g806 protein)

<220>

<223> Synthetic construct

<400> 1888

Met Glu Ile Val Ser Thr Gly Asn Glu Thr Ile Thr Glu Phe Val Leu		
1	5	10
Leu Gly Phe Tyr Asp Ile Pro Glu Leu His Phe Leu Phe Phe Ile Val		
20	25	30
Phe Thr Ala Val Tyr Val Phe Ile Ile Ile Gly Asn Met Leu Ile Ile		
35	40	45
Val Ala Val Val Ser Ser Gln Arg Leu His Lys Pro Met Tyr Ile Phe		
50	55	60
Leu Ala Asn Leu Ser Phe Leu Asp Ile Leu Tyr Thr Ser Ala Val Met		
65	70	75
80		
Pro Lys Met Leu Glu Gly Phe Leu Gln Glu Ala Thr Ile Ser Val Ala		
85	90	95
Gly Cys Leu Leu Gln Phe Phe Ile Phe Gly Ser Leu Ala Thr Ala Glu		
100	105	110
Cys Leu Leu Ala Val Met Ala Tyr Asp Arg Tyr Leu Ala Ile Cys		
115	120	125
Tyr Pro Leu His Tyr Pro Leu Leu Met Gly Pro Arg Arg Tyr Met Gly		
130	135	140
Leu Val Val Thr Thr Trp Leu Ser Gly Phe Val Val Asp Gly Leu Val		
145	150	155
160		
Val Ala Leu Val Ala Gln Leu Arg Phe Cys Gly Pro Asn His Ile Asp		
165	170	175
Gln Phe Tyr Cys Asp Phe Met Leu Phe Val Gly Leu Ala Cys Ser Asp		
180	185	190
Pro Arg Val Ala Gln Val Thr Thr Leu Ile Leu Ser Val Phe Cys Leu		
195	200	205
Thr Ile Pro Phe Gly Leu Ile Leu Thr Ser Tyr Ala Arg Ile Val Val		
210	215	220
Ala Val Leu Arg Val Pro Ala Gly Ala Ser Arg Arg Arg Ala Phe Ser		
225	230	235
240		
Thr Cys Ser Ser His Leu Ala Val Val Thr Thr Phe Tyr Gly Thr Leu		
245	250	255
Met Ile Phe Tyr Val Ala Pro Ser Ala Val His Ser Gln Leu Leu Ser		
260	265	270
Lys Val Phe Ser Leu Leu Tyr Thr Val Val Thr Pro Leu Phe Asn Pro		
275	280	285

Val Ile Tyr Thr Met Arg Asn Lys Glu Val His Gln Ala Leu Arg Lys
 290 295 300
 Ile Leu Cys Ile Lys Gln Thr Glu Thr Leu Asp
 305 310 315

<210> 1889
 <211> 188
 <212> PRT
 <213> Unknown (H38g807 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(188)
 <223> Xaa = Any Amino Acid

<400> 1889
 His Trp Lys Ile Leu Arg Arg Asn Ser Lys Met Ile His Glu Ile Ile
 1 5 10 15
 Xaa Thr Leu Cys Gln Ile Leu Tyr Ser Glu Asp Lys Thr Cys Tyr Ile
 20 25 30
 Gln Ile Gln Ser Leu Phe Cys Thr Asp Leu Glu Ile Pro Asn Phe Phe
 35 40 45
 Cys Glu Leu Asn Xaa Val Val His Leu Ala Cys Ser Asp Thr Phe Leu
 50 55 60
 Lys Asp Ile Val Arg Tyr Cys Thr Thr Met Leu Leu Ser Gly Gly Pro
 65 70 75 80
 Ile Ala Gly Ile Phe Tyr Ser Phe Ser Lys Ile Ile Ser Ser Ile Cys
 85 90 95
 Ala Ile Pro Ser Ala Gln Gly Lys His Lys Ala Phe Pro Thr Cys Val
 100 105 110
 Ser His Leu Ser Asn Met Ser Leu Phe Tyr Cys Arg Ser Thr Gly Leu
 115 120 125
 Tyr Leu Ser Phe Ala Ala Thr His Asn Ser Cys Ser Asn Ala Thr Ala
 130 135 140
 Ser Val Arg His Thr Val Val Lys Pro Leu Leu Asn Val Phe Ile Leu
 145 150 155 160
 Lys Ser Ser Asn Lys Asp Ile Lys Xaa Ala Leu Lys Val Phe Phe Arg
 165 170 175
 Gly Lys Gln Trp Lys His His Phe Ser Lys Ser Ala
 180 185

<210> 1890
 <211> 313
 <212> PRT
 <213> Unknown (H38g808 protein)

<220>
 <223> Synthetic construct

<400> 1890
 Met Glu Lys Arg Asn Leu Thr Val Val Arg Glu Phe Val Leu Leu Gly
 1 5 10 15
 Leu Pro Ser Ser Ala Glu Gln Gln His Leu Leu Ser Val Leu Phe Leu
 20 25 30
 Cys Met Tyr Leu Ala Thr Thr Leu Gly Asn Met Leu Ile Ile Ala Thr
 35 40 45
 Ile Gly Phe Asp Ser His Leu His Ser Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Asn Leu Ala Phe Val Asp Ile Cys Phe Thr Ser Thr Thr Val Pro Gln

65	70	75	80
Met Val Val Asn Ile Leu Thr Gly Thr		Lys Thr Ile Ser Phe Ala Gly	
85		90	95
Cys Leu Thr Gln Leu Phe Phe Val Ser Phe Val Asn Met Asp Ser			
100	105	110	
Leu Leu Leu Cys Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His			
115	120	125	
Pro Leu His Tyr Thr Ala Arg Met Asn Leu Cys Leu Cys Val Gln Leu			
130	135	140	
Val Ala Gly Leu Trp Leu Val Thr Tyr Leu His Ala Leu Leu His Thr			
145	150	155	160
Val Leu Ile Ala Gln Leu Ser Phe Cys Ala Ser Asn Ile Ile His His			
165	170	175	
Phe Leu Cys Asp Leu Asn Pro Leu Leu Gln Leu Ser Cys Ser Asp Val			
180	185	190	
Ser Phe Asn Val Met Ile Ile Phe Ala Val Gly Asp Leu Leu Ala Leu			
195	200	205	
Thr Pro Leu Val Cys Ile Leu Val Ser Tyr Gly Leu Ile Phe Ser Thr			
210	215	220	
Val Leu Lys Ile Thr Ser Thr Gln Gly Lys Gln Arg Ala Val Ser Thr			
225	230	235	240
Cys Ser Cys His Leu Ser Val Val Val Leu Phe Tyr Gly Thr Ala Ile			
245	250	255	
Ala Val Tyr Phe Ser Pro Ser Ser Pro His Met Pro Glu Ser Asp Thr			
260	265	270	
Leu Ser Thr Ile Met Tyr Ser Met Val Ala Pro Met Leu Asn Pro Phe			
275	280	285	
Ile Tyr Thr Leu Arg Asn Arg Asp Met Lys Arg Gly Leu Gln Lys Met			
290	295	300	
Leu Leu Lys Cys Thr Val Phe Gln Gln			
305	310		

<210> 1891

<211> 312

<212> PRT

<213> Unknown (H38g809 protein)

<220>

<223> Synthetic construct

<400> 1891

Met Asp Gly Gly Asn Gln Ser Glu Gly Ser Glu Phe Leu Leu Gly			
1	5	10	15
Met Ser Glu Ser Pro Glu Gln Gln Ile Leu Phe Trp Met Phe Leu			
20	25	30	
Ser Met Tyr Leu Val Thr Val Val Gly Asn Val Leu Ile Ile Leu Ala			
35	40	45	
Ile Ser Ser Asp Ser Arg Leu His Thr Pro Val Tyr Phe Phe Leu Ala			
50	55	60	
Asn Leu Ser Phe Thr Asp Leu Phe Phe Val Thr Asn Thr Ile Pro Lys			
65	70	75	80
Met Leu Val Asn Leu Gln Ser His Asn Lys Ala Ile Ser Tyr Ala Gly			
85	90	95	
Cys Leu Thr Gln Leu Tyr Phe Leu Val Ser Leu Val Ala Leu Asp Asn			
100	105	110	
Leu Ile Leu Ala Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Cys			
115	120	125	
Pro Leu His Tyr Thr Thr Ala Met Ser Pro Lys Leu Cys Ile Leu Leu			
130	135	140	
Leu Ser Leu Cys Trp Val Leu Ser Val Leu Tyr Gly Leu Ile His Thr			
145	150	155	160

Leu Leu Met Thr Arg Val Thr Phe Cys Gly Ser Arg Lys Ile His Tyr
 165 170 175
 Ile Phe Cys Glu Met Tyr Val Leu Leu Arg Met Ala Cys Ser Asn Ile
 180 185 190
 Gln Ile Asn His Thr Val Leu Ile Ala Thr Gly Cys Phe Ile Phe Leu
 195 200 205
 Ile Pro Phe Gly Phe Val Ile Ile Ser Tyr Val Leu Ile Ile Arg Ala
 210 215 220
 Ile Leu Arg Ile Pro Ser Val Ser Lys Lys Tyr Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ala Ser His Leu Gly Ala Val Ser Leu Phe Tyr Gly Thr Leu Cys
 245 250 255
 Met Val Tyr Leu Lys Pro Leu His Thr Tyr Ser Val Lys Asp Ser Val
 260 265 270
 Ala Thr Val Met Tyr Ala Val Val Thr Pro Met Met Asn Pro Phe Ile
 275 280 285
 Tyr Ser Leu Arg Asn Lys Asp Met His Gly Ala Leu Gly Arg Leu Leu
 290 295 300
 Asp Lys His Phe Lys Arg Leu Thr
 305 310

<210> 1892

<211> 317

<212> PRT

<213> Unknown (H38g810 protein)

<220>

<223> Synthetic construct

<400> 1892

Met Gly Met Ser Asn Leu Thr Arg Leu Ser Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Ser Ser Arg Ser Glu Asp Gln Arg Pro Leu Phe Ala Leu Phe Leu
 20 25 30
 Ile Ile Tyr Leu Val Thr Leu Met Gly Asn Leu Leu Ile Ile Leu Ala
 35 40 45
 Ile His Ser Asp Pro Arg Leu Gln Asn Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Ile Leu Ser Phe Ala Asp Ile Cys Tyr Thr Thr Val Ile Val Pro Lys
 65 70 75 80
 Met Leu Val Asn Phe Leu Ser Glu Lys Lys Thr Ile Ser Tyr Ala Glu
 85 90 95
 Cys Leu Ala Gln Met Tyr Phe Phe Leu Val Phe Gly Asn Ile Asp Ser
 100 105 110
 Tyr Leu Leu Ala Ala Met Ala Ile Asn Arg Cys Val Ala Ile Cys Asn
 115 120 125
 Pro Phe His Tyr Val Thr Val Met Asn Arg Arg Cys Cys Val Leu Leu
 130 135 140
 Leu Ala Phe Pro Ile Thr Phe Ser Tyr Phe His Ser Leu Leu His Val
 145 150 155 160
 Leu Leu Val Asn Arg Leu Thr Phe Cys Thr Ser Asn Val Ile His His
 165 170 175
 Phe Phe Cys Asp Val Asn Pro Val Leu Lys Leu Ser Cys Ser Ser Thr
 180 185 190
 Phe Val Asn Glu Ile Val Ala Met Thr Glu Gly Leu Ala Ser Val Met
 195 200 205
 Ala Pro Phe Val Cys Ile Ile Ser Tyr Leu Arg Ile Leu Ile Ala
 210 215 220
 Val Leu Lys Ile Pro Ser Ala Ala Gly Lys His Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ser Ser His Leu Thr Val Val Ile Leu Phe Tyr Gly Ser Ile Ser

	245		250		255										
Tyr	Val	Tyr	Leu	Gln	Pro	Leu	Ser	Ser	Tyr	Thr	Val	Lys	Asp	Arg	Ile
			260				265					270			
Ala	Thr	Ile	Asn	Tyr	Thr	Val	Leu	Thr	Ser	Val	Leu	Asn	Pro	Phe	Ile
			275				280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Arg	Gly	Leu	Gln	Lys	Leu	Ile
			290				295				300				
Asn	Lys	Ile	Lys	Ser	Gln	Met	Ser	Arg	Phe	Ser	Thr	Lys			
			305				310			315					

<210> 1893

<211> 309

<212> PRT

<213> Unknown (H38g811 protein)

<220>

<223> Synthetic construct

<400> 1893

Met	Leu	Asn	Thr	Thr	Ser	Val	Thr	Glu	Phe	Leu	Leu	Leu	Gly	Val	Thr
1															15
Asp	Ile	Gln	Glu	Leu	Gln	Pro	Phe	Leu	Phe	Val	Val	Phe	Leu	Thr	Ile
				20				25				30			
Tyr	Phe	Ile	Ser	Val	Ala	Gly	Asn	Gly	Ala	Ile	Leu	Met	Ile	Val	Ile
				35				40				45			
Ser	Asp	Pro	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Leu
				50			55			60					
Ser	Cys	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Val	Thr	Leu	Pro	Lys	Met	Leu
				65			70			75			80		
Gln	Asn	Phe	Leu	Ser	Ala	His	Lys	Ala	Ile	Ser	Phe	Leu	Gly	Cys	Ile
				85				90				95			
Ser	Gln	Leu	His	Phe	Phe	His	Phe	Leu	Gly	Ser	Thr	Glu	Ala	Met	Leu
				100			105				110				
Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys	Lys	Pro	Leu
				115			120				125				
Arg	Tyr	Thr	Val	Ile	Met	Asn	Pro	Gln	Leu	Cys	Thr	Gln	Met	Ala	Ile
				130			135				140				
Thr	Ile	Trp	Met	Ile	Gly	Phe	Phe	His	Ala	Leu	Leu	His	Ser	Leu	Met
				145			150			155			160		
Thr	Ser	Arg	Leu	Asn	Phe	Cys	Gly	Ser	Asn	Arg	Ile	Tyr	His	Phe	Phe
				165				170				175			
Cys	Asp	Val	Lys	Pro	Leu	Leu	Lys	Leu	Ser	Ile	Ser	Gly	Trp	Leu	
				180			185				190				
Ser	Thr	Val	Thr	Gly	Thr	Ile	Ala	Met	Gly	Pro	Phe	Phe	Leu	Thr	Leu
				195			200				205				
Leu	Ser	Tyr	Phe	Tyr	Ile	Ile	Thr	His	Leu	Phe	Phe	Lys	Thr	His	Ser
				210			215				220				
Phe	Ser	Met	Leu	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser	His	Phe	Met
				225			230			235			240		
Val	Val	Ile	Leu	Leu	Tyr	Ala	Pro	Val	Leu	Phe	Thr	Tyr	Ile	His	His
				245			250				255				
Ala	Ser	Gly	Thr	Ser	Met	Asp	Gln	Asp	Arg	Ile	Thr	Ala	Ile	Met	Tyr
				260			265				270				
Thr	Val	Val	Thr	Pro	Val	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn
				275			280				285				
Lys	Glu	Val	Lys	Gly	Ala	Phe	Asn	Arg	Ala	Met	Lys	Arg	Trp	Leu	Trp
				290			295			300					
Pro	Lys	Glu	Ile	Leu											
				305											

<210> 1894

<211> 328
 <212> PRT
 <213> Unknown (H38g812 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(328)
 <223> Xaa = Any Amino Acid

<400> 1894

Ser Val Asp Gln Val Asn Asp Ser Leu Val Thr Glu Phe Val Leu Leu
 1 5 10 15
 Gly Leu Ala Gln Ser Leu Glu Met Gln Phe Phe Leu Phe Leu Phe Phe
 20 25 30
 Ser Leu Phe Tyr Val Gly Ile Ile Leu Gly Asn Leu Phe Ile Val Phe
 35 40 45
 Thr Val Ile Phe Asp Pro His Leu His Ser Pro Met Tyr Ile Leu Leu
 50 55 60
 Ala Asn Leu Ser Leu Ile Asp Leu Ser Leu Ser Ser Thr Thr Val Pro
 65 70 75 80
 Arg Leu Ile Tyr Asp Leu Phe Thr Asp Cys Lys Val Ile Ser Phe His
 85 90 95
 Asn Cys Met Ile Gln Lys Phe Phe Ile His Val Thr Gly Gly Val Glu
 100 105 110
 Met Val Leu Leu Ile Val Met Glu Tyr Asp Arg Tyr Thr Ala Ile Cys
 115 120 125
 Lys Pro Leu His Tyr Pro Thr Ile Met Asn Pro Lys Met Cys Met Phe
 130 135 140
 Leu Val Ala Ala Ala Trp Val Ile Gly Val Ile His Ala Met Ser Gln
 145 150 155 160
 Phe Val Phe Val Ile Asn Xaa Pro Phe Cys Gly Pro Asn Asn Val Gly
 165 170 175
 Ser Phe Tyr Cys Asp Phe Pro Arg Val Ile Lys Leu Ala Cys Met Asp
 180 185 190
 Thr Tyr Gly Leu Glu Phe Val Val Thr Ala Asn Ser Gly Phe Ile Ser
 195 200 205
 Met Gly Thr Phe Phe Phe Leu Ile Val Ser Tyr Ile Phe Ile Leu Val
 210 215 220
 Thr Val Gln Arg His Ser Ser Asn Asp Leu Ser Lys Ala Phe Phe Thr
 225 230 235 240
 Ser Xaa Ala His Ile Thr Val Val Leu Phe Phe Ala Pro Cys Met
 245 250 255
 Phe Leu Tyr Val Trp Pro Phe Pro Thr Lys Ser Leu Asp Lys Phe Phe
 260 265 270
 Ala Ile Met Asn Phe Val Val Thr Pro Val Leu Asn Pro Ala Ile Tyr
 275 280 285
 Thr Leu Arg Asn Lys Asp Met Lys Phe Ala Met Arg Arg Leu Asn Gln
 290 295 300
 His Ile Leu Asn Ser Met Glu Thr Thr Xaa His Ile Trp Leu Met Arg
 305 310 315 320
 Ala Gln Asp Lys Cys His Gly Pro
 325

<210> 1895
 <211> 272
 <212> PRT
 <213> Unknown (H38g813 protein)

<220>

<223> Synthetic construct

<400> 1895

Met	Trp	Ile	Asn	Asn	Gln	Ser	Ser	Leu	Asp	Asp	Phe	Ile	Leu	Leu	Gly
1			5					10				15			
Phe	Ser	Asp	Arg	Pro	Trp	Leu	Glu	Thr	Pro	Leu	Val	Ile	Phe	Leu	Val
			20					25				30			
Ala	Tyr	Ile	Phe	Ser	Leu	Phe	Gly	Asn	Ile	Ser	Ile	Ile	Leu	Val	Ser
			35					40				45			
His	Leu	Asp	Pro	Gln	Leu	Asp	Ser	Pro	Met	Tyr	Phe	Phe	Val	Ser	Asn
			50					55				60			
Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Thr	Ser	Thr	Val	Pro	Gln	Met	
			65					70				75			80
Leu	Val	Asn	Leu	Arg	Gly	Pro	Glu	Lys	Thr	Ile	Ser	Tyr	Gly	Gly	Cys
			85					90				95			
Val	Ala	Gln	Leu	Tyr	Ile	Phe	Leu	Ala	Leu	Gly	Ser	Thr	Glu	Cys	Ile
			100					105				110			
Leu	Leu	Ala	Ile	Met	Ala	Phe	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Lys	Pro
			115					120				125			
Leu	His	Tyr	Pro	Val	Ile	Met	Asn	His	Arg	Arg	Cys	Ile	His	Met	Ala
			130					135				140			
Ala	Gly	Thr	Trp	Ile	Ser	Gly	Phe	Ala	Asn	Ser	Leu	Val	Gln	Ser	Thr
			145					150				155			160
Leu	Thr	Val	Val	Ala	Pro	Arg	Cys	Gly	Gln	Arg	Val	Leu	Asp	His	Phe
			165					170				175			
Phe	Cys	Glu	Val	Pro	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ile	Asp	Ile	Arg
			180					185				190			
Val	Asn	Glu	Met	Glu	Leu	Asn	Val	Leu	Gly	Ala	Leu	Leu	Leu	Leu	Met
			195					200				205			
Pro	Leu	Thr	Leu	Ile	Leu	Gly	Thr	Tyr	Val	Phe	Ile	Ala	Gln	Ala	Val
			210					215				220			
Met	Arg	Ile	Cys	Ser	Ala	Glu	Ser	Arg	Trp	Lys	Ala	Phe	Asn	Thr	Cys
			225					230				235			240
Ala	Ser	His	Leu	Leu	Val	Val	Ser	Leu	Phe	Tyr	Phe	Thr	Ala	Ile	Ser
			245					250				255			
Met	Tyr	Val	Gln	Pro	Pro	Ser	Ser	Tyr	Ser	His	Asp	Arg	Gly	Lys	Ile
			260					265				270			

<210> 1896

<211> 315

<212> PRT

<213> Unknown (H38g814 protein)

<220>

<223> Synthetic construct

<400> 1896

Met	Asn	Val	Ser	Glu	Pro	Asn	Ser	Ser	Phe	Ala	Phe	Val	Asn	Glu	Phe
1			5						10			15			
Ile	Leu	Gln	Gly	Phe	Ser	Cys	Glu	Trp	Thr	Ile	Gln	Ile	Phe	Leu	Phe
			20					25				30			
Ser	Leu	Phe	Thr	Thr	Thr	Tyr	Ala	Leu	Thr	Ile	Thr	Gly	Asn	Gly	Ala
			35					40				45			
Ile	Ala	Phe	Val	Leu	Trp	Cys	Asp	Arg	Arg	Leu	His	Thr	Pro	Met	Tyr
			50					55				60			
Met	Phe	Leu	Gly	Asn	Phe	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Val	Ser	Ser
			65					70				75			80
Thr	Val	Pro	Lys	Met	Leu	Val	Asn	Phe	Leu	Ser	Glu	Lys	Lys	Asn	Ile
			85					90				95			
Ser	Phe	Ala	Gly	Cys	Phe	Leu	Gln	Phe	Tyr	Phe	Phe	Ser	Leu	Gly	
			100					105				110			

Thr Ser Glu Cys Leu Leu Leu Thr Val Met Ala Phe Asp Gln Tyr Leu
 115 120 125
 Ala Ile Cys Arg Pro Leu Leu Tyr Pro Asn Ile Met Thr Gly His Leu
 130 135 140
 Tyr Ala Lys Leu Val Ile Leu Cys Trp Val Cys Gly Phe Leu Trp Phe
 145 150 155 160
 Leu Ile Pro Ile Val Leu Ile Ser Gln Met Pro Phe Cys Gly Pro Asn
 165 170 175
 Ile Ile Asp His Val Val Cys Asp Pro Gly Pro Arg Phe Ala Leu Asp
 180 185 190
 Cys Val Ser Ala Pro Arg Ile Gln Leu Phe Cys Tyr Thr Leu Ser Ser
 195 200 205
 Leu Val Ile Phe Gly Asn Phe Leu Phe Ile Ile Gly Ser Tyr Thr Leu
 210 215 220
 Val Leu Lys Ala Met Leu Gly Met Pro Ser Ser Thr Gly Arg His Lys
 225 230 235 240
 Ala Phe Ser Thr Cys Gly Ser His Leu Ala Val Val Ser Leu Cys Tyr
 245 250 255
 Ser Ser Leu Met Val Met Tyr Val Ser Pro Gly Leu Gly His Ser Thr
 260 265 270
 Gly Met Gln Lys Ile Glu Thr Leu Phe Tyr Ala Met Val Thr Pro Leu
 275 280 285
 Phe Asn Pro Leu Ile Tyr Ser Leu Gln Asn Lys Glu Ile Lys Ala Ala
 290 295 300
 Leu Arg Lys Val Leu Gly Ser Ser Asn Ile Ile
 305 310 315

<210> 1897

<211> 305

<212> PRT

<213> Unknown (H38g815 protein)

<220>

<223> Synthetic construct

<400> 1897

Met Val Thr Glu Phe Ile Phe Leu Gly Leu Ser Asp Ser Gln Gly Leu
 1 5 10 15
 Gln Thr Phe Leu Phe Met Leu Phe Phe Val Phe Tyr Gly Gly Ile Val
 20 25 30
 Phe Gly Asn Leu Leu Ile Val Ile Thr Val Val Ser Asp Ser His Leu
 35 40 45
 His Ser Pro Met Tyr Phe Leu Leu Ala Asn Leu Ser Leu Ile Asp Leu
 50 55 60
 Ser Leu Ser Ser Val Thr Ala Pro Lys Met Ile Thr Asp Phe Phe Ser
 65 70 75 80
 Gln Arg Lys Val Ile Ser Phe Lys Gly Cys Leu Val Gln Ile Phe Leu
 85 90 95
 Leu His Phe Phe Gly Gly Ser Glu Met Val Ile Leu Ile Ala Met Gly
 100 105 110
 Tyr Asp Arg Tyr Ile Ala Ile Cys Lys Pro Leu Asn Tyr Thr Thr Ile
 115 120 125
 Met Cys Gly Asn Ala Cys Val Gly Ile Met Ala Val Ala Trp Gly Ile
 130 135 140
 Gly Phe Leu His Ser Val Ser Gln Leu Ala Phe Ala Val His Leu Pro
 145 150 155 160
 Phe Cys Gly Pro Asn Glu Val Asp Ser Phe Tyr Cys Asp Leu Pro Arg
 165 170 175
 Val Ile Lys Leu Ala Cys Thr Asp Thr Tyr Arg Leu Asp Ile Met Val
 180 185 190
 Ile Ala Asn Ser Gly Val Leu Thr Val Cys Ser Phe Val Leu Leu Ile

195	200	205	
Ile Ser Tyr Thr Ile Ile Leu Met Thr Ile Gln His Arg Pro Leu Asp			
210	215	220	
Lys Ser Ser Lys Ala Leu Ser Thr Leu Thr Ala His Ile Thr Val Val			
225	230	235	240
Leu Leu Phe Phe Gly Pro Cys Val Phe Ile Tyr Ala Trp Pro Phe Pro			
245	250	255	
Ile Lys Ser Leu Asp Lys Phe Leu Ala Val Phe Tyr Ser Val Ile Thr			
260	265	270	
Pro Leu Leu Asn Pro Ile Ile Tyr Thr Leu Arg Asn Lys Asp Met Lys			
275	280	285	
Thr Ala Ile Arg Gln Leu Arg Lys Trp Asp Ala His Ser Ser Val Lys			
290	295	300	
Phe			
305			

<210> 1898

<211> 318

<212> PRT

<213> Unknown (H38g816 protein)

<220>

<223> Synthetic construct

<221> VARIANT

<222> (1)...(318)

<223> Xaa = Any Amino Acid

<400> 1898

Met Thr Leu Pro Ser Asp Asp Ser Thr Val Pro Val Ser Glu Phe Leu			
1	5	10	15
Leu Ile Cys Phe Pro Asn Phe Gln Ser Trp Gln His Leu Leu Ser Leu			
20	25	30	
Pro Leu Ser Leu Met Phe Leu Leu Ala Met Gly Thr Asn Thr Thr Pro			
35	40	45	
Pro Ile Thr Ile His Leu Glu Ala Ser Leu His Leu Pro Leu Tyr Tyr			
50	55	60	
Leu Pro Ser Leu Leu Ser Leu Leu Asp Ile Val Leu Cys Leu Thr Val			
65	70	75	80
Ile Pro Lys Val Leu Ala Ile Phe Trp Phe Asp Leu Arg Ser Ile Gly			
85	90	95	
Phe Pro Ala Cys Phe Leu Gln Met Phe Ile Met Asn Ser Phe Leu Pro			
100	105	110	
Met Glu Ser Cys Thr Phe Met Val Lys Asp Tyr Asp His Tyr Val Ala			
115	120	125	
Ile Cys His Pro Leu Gln Tyr Leu Ser Ile Ile Thr His Gln Phe Val			
130	135	140	
Ala Lys Ala Ser Val Phe Ile Val Val Gln Asn Ala Leu Leu Ser			
145	150	155	160
Pro Val Pro Ile Leu Ser Ala Gln Leu His Tyr Cys Arg Lys Asn Val			
165	170	175	
Ile Glu Asn Cys Ile Cys Ala Asn Leu Ser Val Ser Arg Leu Ser Cys			
180	185	190	
Asp Asn Phe Thr Leu Asn Arg Leu Tyr Gln Phe Val Ala Gly Trp Thr			
195	200	205	
Phe Leu Gly Ser Asp Phe Ile Leu Ile Phe Leu Ser Tyr Thr Phe Ile			
210	215	220	
Leu Arg Ala Val Leu Arg Phe Lys Val Glu Gly Val Ala Val Lys Ala			
225	230	235	240
Leu Ser Thr Cys Gly Ser His Phe Ile Leu Ile Leu Phe Phe Ser Ile			
245	250	255	

Leu Leu Val Val Val Leu Thr Asn Val Ala Arg Lys Lys Val Pro Met
 260 265 270
 Asp Ile Leu Ile Leu Phe Asn Val Leu His Pro Phe Ser Pro Pro Ala
 275 280 285
 Leu Asn Pro Ile Ile Cys Gly Phe Gln Thr Lys Glu Leu Lys Lys Glu
 290 295 300
 Phe Xaa Lys Leu Leu Gln Arg Gly Leu Xaa Lys His Gly Arg
 305 310 315

<210> 1899
 <211> 317
 <212> PRT
 <213> Unknown (H38g817 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(317)
 <223> Xaa = Any Amino Acid

<400> 1899
 Lys His Asn His Thr Ala Val Thr Lys Val Thr Glu Phe Ile Leu Met
 1 5 10 15
 Gly Ile Thr Asp Asn Pro Gly Leu Gln Ala Pro Leu Phe Gly Leu Phe
 20 25 30
 Leu Ile Ile Tyr Leu Val Thr Val Ile Gly Asn Leu Gly Met Val Ile
 35 40 45
 Leu Thr Tyr Leu Asp Ser Lys Leu His Thr Pro Met Tyr Phe Phe Leu
 50 55 60
 Lys His Leu Ala Ile Thr Asp Leu Gly Tyr Ser Thr Val Ile Gly Pro
 65 70 75 80
 Gln Met Met Phe Ser Glu Thr Ser Tyr Val His Lys Glu His Asn Phe
 85 90 95
 Phe Tyr Asn Trp Tyr Ala Asn His Arg Ala Arg Phe Glu Arg Asn Ile
 100 105 110
 Ile Ser His Arg Gly Ile Leu Ser Ala Thr Asn Asn Glu Pro Tyr Lys
 115 120 125
 Pro Ile Thr Lys Gln Leu Leu Asn Pro Ile Ile Met Pro Glu Lys Ile
 130 135 140
 Arg Glu Glu Gln Ile Thr Val Pro Glu Leu Asp Lys Thr Cys Ala Pro
 145 150 155 160
 Leu Phe Leu Lys Arg Lys Xaa Val Lys Thr Val Ser Thr Asn Pro Asp
 165 170 175
 Thr Thr Asn Asn Cys His Gly Glu Gly Thr Ala Lys Met Xaa Ile Leu
 180 185 190
 Arg Ser Glu Lys Lys Ile Thr Ile Ile Lys Ala Met Thr Ala Gly
 195 200 205
 Thr Asn Met Leu Ile Ser Leu Ser Ile Val Leu Ile Ser Tyr Met Phe
 210 215 220
 Ile Leu Val Ala Asn Leu Arg Met Asn Ser Arg Lys Gly Arg Tyr Lys
 225 230 235 240
 Ala Phe Ser Thr Cys Ser Ser His Leu Thr Val Val Ile Met Phe Tyr
 245 250 255
 Gly Thr Leu Leu Phe Ile Tyr Leu Gln Pro Lys Ser Ser His Thr Leu
 260 265 270
 Ala Ile Asp Lys Met Ala Ser Val Phe Tyr Thr Leu Leu Ile Pro Met
 275 280 285
 Leu Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Glu Val Lys Asp Ala
 290 295 300
 Leu Lys Arg Thr Leu Thr Asn Arg Phe Lys Ile Pro Ile

305

310

315

<210> 1900
 <211> 220
 <212> PRT
 <213> Unknown (H38g818 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(220)
 <223> Xaa = Any Amino Acid

<400> 1900

Ser	Asn	Leu	Cys	Trp	Ala	Asp	Ile	Gly	Phe	Thr	Ser	Ala	Met	Val	Pro
1															
Lys	Met	Ile	Val	Asp	Met	Gln	Ser	His	Ser	Arg	Val	Ile	Pro	Tyr	Ala
Gly	Cys	Leu	Thr	Arg	Met	Ser	Phe	Leu	Val	Leu	Phe	Ala	Cys	Ile	Glu
Asp	Met	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Cys	Phe	Val	Ala	Ile	Cys
Arg	Pro	Leu	His	Tyr	Pro	Val	Ile	Met	Asn	Pro	His	Leu	Cys	Val	Phe
Phe	Val	Leu	Val	Ser	Phe	Leu	Ser	Leu	Leu	Asp	Ser	Gln	Leu	His	
Ser	Xaa	Ile	Val	Leu	Gln	Phe	Thr	Phe	Phe	Ser	Asn	Val	Glu	Ile	Ala
Asn	Phe	Val	Tyr	Glu	Pro	Ser	Gln	Leu	Leu	Asn	Leu	Asp	Cys	Ser	Asp
Thr	Val	Ile	Asn	Ser	Ile	Phe	Ile	Tyr	Phe	Asp	Ser	Met	Phe	Gly	Phe
Leu	Pro	Ile	Ser	Gly	Ile	Leu	Leu	Ser	Xaa	Tyr	Lys	Ile	Val	Pro	Ser
145															
Ile	Leu	Arg	Met	Ser	Ser	Ser	Asp	Gly	Lys	Tyr	Lys	Ala	Phe	Ala	Thr
Cys	Gly	Ser	His	Leu	Ala	Val	Val	Cys	Xaa	Phe	Asp	Gly	Thr	Gly	Ile
180															
Gly	Met	Tyr	Leu	Thr	Ser	Ala	Val	Ser	Pro	Pro	Pro	Arg	Asn	Gly	Val
195															
Ala	Ala	Ser	Val	Met	Tyr	Ala	Val	Val	Thr	Pro	Met				
210															
215															
220															

<210> 1901
 <211> 311
 <212> PRT
 <213> Unknown (H38g819 protein)

<220>
 <223> Synthetic construct

<400> 1901

Met	Glu	Lys	Ser	Asn	Asn	Ser	Thr	Leu	Phe	Ile	Leu	Leu	Gly	Phe	Ser
1															
Gln	Asn	Lys	Asn	Ile	Glu	Val	Leu	Cys	Phe	Val	Leu	Phe	Leu	Phe	Cys
Tyr	Ile	Ala	Ile	Trp	Met	Gly	Asn	Leu	Leu	Ile	Met	Ile	Ser	Ile	Thr
Cys	Thr	Gln	Leu	Ile	His	Gln	Pro	Met	Tyr	Phe	Phe	Leu	Asn	Tyr	Leu
50															
55															
60															

Ser Leu Ser Asp Leu Cys Tyr Thr Ser Thr Val Thr Pro Lys Leu Met
 65 70 75 80
 Val Asp Leu Leu Ala Glu Arg Lys Thr Ile Ser Tyr Asn Asn Cys Met
 85 90 95
 Ile Gln Leu Phe Thr Thr His Phe Phe Gly Gly Ile Glu Ile Phe Ile
 100 105 110
 Leu Thr Gly Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 His Tyr Thr Ile Ile Met Ser Arg Gln Lys Cys Asn Thr Ile Ile Ile
 130 135 140
 Val Cys Trp Thr Gly Gly Phe Ile His Ser Ala Ser Gln Phe Leu Leu
 145 150 155 160
 Thr Ile Phe Val Pro Phe Cys Gly Pro Asn Glu Ile Asp His Tyr Phe
 165 170 175
 Cys Asp Val Tyr Pro Leu Leu Lys Leu Ala Cys Ser Asn Ile His Met
 180 185 190
 Ile Gly Leu Leu Val Ile Ala Asn Ser Gly Leu Ile Ala Leu Val Thr
 195 200 205
 Phe Val Val Leu Leu Ser Tyr Val Phe Ile Leu Tyr Thr Ile Arg
 210 215 220
 Ala Tyr Ser Ala Glu Arg Arg Ser Lys Ala Leu Ala Thr Cys Ser Ser
 225 230 235 240
 His Val Ile Val Val Leu Phe Phe Ala Pro Ala Leu Phe Ile Tyr
 245 250 255
 Ile Arg Pro Val Thr Phe Ser Glu Asp Lys Val Phe Ala Leu Phe
 260 265 270
 Tyr Thr Ile Ile Ala Pro Met Phe Asn Pro Leu Ile Tyr Thr Leu Arg
 275 280 285
 Asn Thr Glu Met Lys Asn Ala Met Arg Lys Val Trp Cys Cys Gln Ile
 290 295 300
 Leu Leu Lys Arg Asn Gln Leu
 305 310

<210> 1902

<211> 222

<212> PRT

<213> Unknown (H38g820 protein)

<220>

<223> Synthetic construct

<400> 1902

Arg Asn Phe Ser Phe Leu Glu Ile Ser Phe Thr Thr Val Cys Ile Pro
 1 5 10 15
 Arg Phe Leu Gly Ala Ile Ile Thr Arg Asn Lys Thr Ile Ser Tyr Asn
 20 25 30
 Asn Cys Ala Ala Gln Leu Phe Phe Ile Phe Met Gly Val Thr Glu
 35 40 45
 Phe Tyr Ile Leu Thr Ala Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys
 50 55 60
 Lys Pro Leu His Tyr Thr Ser Ile Met Asn Arg Lys Leu Cys Thr Leu
 65 70 75 80
 Leu Val Leu Cys Ala Trp Leu Ser Gly Phe Pro Thr Ile Phe Pro Pro
 85 90 95
 Leu Met Leu Leu Gln Leu Asp Tyr Cys Ala Ser Asn Val Ile Asp
 100 105 110
 His Phe Ala Cys Asp Tyr Phe Pro Leu Leu Gln Leu Ser Cys Ser Asp
 115 120 125
 Thr Trp Leu Leu Glu Val Ile Gly Phe Tyr Phe Ala Leu Val Thr Leu
 130 135 140
 Leu Phe Thr Leu Ala Leu Val Ile Leu Ser Tyr Met Tyr Ile Ile Arg

145	150	155	160
Thr Ile Leu Arg Ile Pro Ser Ala Ser Gln Arg Lys Lys Ala Phe Ser			
165	170	175	
Thr Cys Ser Ser His Met Ile Val Ile Ser Ile Ser Tyr Gly Ser Cys			
180	185	190	
Ile Phe Met Tyr Ala Asn Pro Ser Ala Lys Glu Lys Ala Ser Leu Thr			
195	200	205	
Lys Gly Ile Ala Ile Leu Asn Thr Ser Val Ala Pro Met Leu			
210	215	220	

<210> 1903

<211> 267

<212> PRT

<213> Unknown (H38g821 protein)

<220>

<223> Synthetic construct

<400> 1903

Ile Ile Leu Cys Phe Phe Ile Ile Gly Asn Ser Gln Asp Asn Ser Gln			
1	5	10	15
Met Thr Leu Met Asp Asn Ile Ser Glu Val Thr Glu Phe Val Leu Val			
20	25	30	
Gly Leu Thr Asp Val Leu Glu Leu Gln Val Pro Leu Phe Ile Ile Phe			
35	40	45	
Thr Val Ile Tyr Leu Thr Thr Leu Val Gly Asn Phe Gly Met Ile Met			
50	55	60	
Leu Ile Leu Leu Asp Ser Arg Leu His Ile Pro Met Tyr Phe Phe Leu			
65	70	75	80
Gly Lys Leu Ser Leu Val Asp Ser Val Cys Ala Cys Leu Val Thr Gly			
85	90	95	
Ser Tyr Ile Cys Gly Leu Phe Gln Ser Ser Ile His Val Ala Phe Thr			
100	105	110	
Phe His Leu Ser Phe Cys His Ser Asn Val Val Asn His Phe Phe Cys			
115	120	125	
Asp Ile Pro Pro Leu Leu Ala Leu Ser Cys Ser Asp Ile Tyr Ala His			
130	135	140	
Glu Ile Val Leu Phe Ile Leu Ala Ala Phe Asn Ile Phe Phe Thr Leu			
145	150	155	160
Leu Ile Ile Leu Asn Ser Tyr Val Phe Ile Phe Ile Ala Ile Leu Arg			
165	170	175	
Met His Ser Ala Glu Gly Gln Lys Lys Val Phe Ser Thr Cys Ala Tyr			
180	185	190	
His Leu Thr Thr Val Ser Ile Phe Tyr Gly Thr Ile Thr Phe Met Tyr			
195	200	205	
Leu Gln Pro Ser Ser Gly His Ser Met Asp Thr Asp Lys Ile Ser Ser			
210	215	220	
Val Phe Tyr Thr Met Val Ile Pro Met Leu Asn Pro Leu Val Tyr Ser			
225	230	235	240
Leu Arg Asn Lys Glu Val Gln Ser Ala Phe Lys Val Val Ile Gly Lys			
245	250	255	
Ala Lys Ser Ser Leu Gly Leu Ala Tyr Tyr Leu			
260	265		

<210> 1904

<211> 316

<212> PRT

<213> Unknown (H38g822 protein)

<220>

<223> Synthetic construct

<221> VARIANT
 <222> (1)...(316)
 <223> Xaa = Any Amino Acid

<400> 1904
 Trp Xaa Pro Val Phe Asn Gln Ser Ala Pro Leu Gln Phe Val Phe Arg
 1 5 10 15
 Val Phe Thr Thr Val Pro Glu Phe Gln Val Leu Leu Phe Leu Leu Phe
 20 25 30
 Leu Leu Phe Tyr Leu Met Ile Leu Cys Gly Asn Thr Ala Ile Ile Trp
 35 40 45
 Val Val Cys Thr Tyr Ser Val Leu Arg Thr Pro Met Tyr Phe Phe Leu
 50 55 60
 Ser Asn Leu Ser Phe Val Glu Ile Cys Tyr Thr Val Val Val Pro
 65 70 75 80
 Leu Met Leu Ser Asn Ile Phe Gly Ala Gln Lys Pro Ile Pro Leu Ala
 85 90 95
 Gly Cys Gly Ala Gln Met Phe Phe Phe Leu Thr Leu Gly Gly Ala Asp
 100 105 110
 Cys Phe Leu Leu Ala Ile Val Ala Tyr Asp Arg Tyr Val Ala Ile Cys
 115 120 125
 His Pro Leu His Tyr Arg Leu Ile Met Thr Cys Asn Leu Cys Val Gln
 130 135 140
 Met Leu Gly Gly Ala Val Gly Leu Ala Leu Phe Leu Ser Leu Gln Leu
 145 150 155 160
 Thr Ala Leu Ile Phe Thr Leu Pro Phe Cys Gly Tyr Arg Gln Glu Ile
 165 170 175
 Asn His Phe Leu Cys Asp Val Pro Pro Val Leu Arg Leu Ala Cys Ala
 180 185 190
 Ala Ile Arg Val His Gln Ala Val Leu Tyr Val Val Ser Ile Leu Val
 195 200 205
 Leu Thr Val Pro Phe Leu Leu Ile Cys Val Ser Tyr Val Phe Ile Thr
 210 215 220
 Cys Ala Ile Leu Ser Ile Arg Ser Ala Glu Gly Arg His Gln Ala Phe
 225 230 235 240
 Ser Thr Cys Ser Ser His Leu Thr Val Val Leu Leu Gln Tyr Gly Cys
 245 250 255
 Cys Ala Leu Ala Tyr Leu His Pro Gln Ser Ser Ser Ala Asp Glu
 260 265 270
 Asp Arg Gln Phe Ala Leu Val Tyr Thr Phe Ile Thr Pro Leu Leu Asn
 275 280 285
 Pro Leu Ile Tyr Thr Leu Arg Asn Lys Asp Val Lys Gly Ala Leu Glu
 290 295 300
 Lys Ser Ala Gln Tyr Gln Arg Asp Thr Xaa Val Leu
 305 310 315

<210> 1905
 <211> 312
 <212> PRT
 <213> Unknown (H38g823 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(312)
 <223> Xaa = Any Amino Acid

<400> 1905
 Met Xaa Asn Ser Arg Glu Ala Ser Gln Phe Ile Phe Leu Gly Leu Ser

1	5	10	15												
Asn	Val	Pro	Glu	Leu	Gln	Val	Pro	Phe	Ile	Met	Phe	Val	Leu	Ile	
				20				25				30			
Tyr	Leu	Ile	Asn	Val	Val	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu	Ile	Leu
				35				40			45				
Trp	Tyr	Ser	Gln	Leu	His	Asn	Pro	Met	Tyr	Phe	Phe	Ser	Asn	Leu	
				50				55			60				
Ser	Leu	Val	Asp	Phe	Phe	Tyr	Ser	Ser	Val	Val	Thr	Pro	Lys	Val	Met
				65				70			75			80	
Thr	Gly	Leu	Leu	Arg	Glu	Asp	Lys	Ile	Ile	Ser	Tyr	Thr	Val	Trp	Ala
				85				90			95				
Thr	Gln	Thr	Phe	Phe	Ser	Asp	Ser	Phe	Ala	Ser	Val	Val	Asn	Leu	Leu
				100				105			110				
Leu	Ala	Leu	Met	Ala	Ser	Gly	His	Tyr	Ala	Ala	Val	Cys	Lys	Pro	Leu
				115				120			125				
His	Tyr	Thr	Thr	Met	Met	Thr	Ser	Val	Cys	Thr	Cys	Leu	Ala	Ile	
				130				135			140				
Gly	Xaa	Tyr	Val	Gly	Gly	Phe	Leu	Asn	Ala	Ser	Ile	His	Thr	Gly	Glu
				145				150			155			160	
Thr	Phe	Ser	Leu	Phe	Cys	Met	Ser	Ser	Glu	Val	His	His	Phe	Phe	Cys
				165				170			175				
Glu	Val	Pro	Ala	Val	Met	Ala	Leu	Ser	Cys	Ser	Asp	Arg	His	Val	Asn
				180				185			190				
Val	Val	Val	Leu	Val	Tyr	Val	Thr	Ser	Phe	Asn	Ile	Leu	Phe	Ala	Leu
				195				200			205				
Leu	Val	Ile	Leu	Ile	Ser	Tyr	Leu	Leu	Met	Phe	Ile	Thr	Ile	Leu	Lys
				210				215			220				
Met	His	Ser	Thr	Ala	Gly	Tyr	Gln	Lys	Ala	Leu	Ala	Ile	Cys	Ala	Ser
				225				230			235			240	
His	Leu	Thr	Ala	Val	Ala	Ile	Phe	Tyr	Gly	Thr	Ile	Ile	Phe	Met	His
				245				250			255				
Ile	Gln	Pro	Ser	Ser	Ser	His	Ser	Ile	Asp	Thr	Asp	Lys	Ile	Ala	Ala
				260				265			270				
Val	Phe	Tyr	Thr	Ile	Val	Phe	Pro	Met	Val	Asn	His	Val	Val	Xaa	Arg
				275				280			285				
Leu	Lys	Asn	Lys	Val	Lys	Ser	Thr	Phe	Lys	Lys	Ile	Val	Glu	Lys	Val
				290				295			300				
Lys	Leu	Ser	Leu	Gly	Leu	Xaa	Val								
				305				310							

<210> 1906

<211> 318

<212> PRT

<213> Unknown (H38g824 protein)

<220>

<223> Synthetic construct

<400> 1906

1	5	10	15												
Met	Ala	Gly	Glu	Asn	His	Thr	Thr	Leu	Pro	Glu	Phe	Leu	Leu	Gly	
Phe	Ser	Asp	Leu	Lys	Ala	Leu	Gln	Gly	Pro	Leu	Phe	Trp	Val	Val	Leu
Leu	Val	Tyr	Leu	Val	Thr	Leu	Leu	Gly	Asn	Ser	Leu	Ile	Ile	Leu	Leu
35	40										45				
Thr	Gln	Val	Ser	Pro	Ala	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Arg
50	55										60				
Gln	Leu	Ser	Val	Val	Glu	Leu	Phe	Tyr	Thr	Asp	Ile	Val	Pro	Arg	
65	70										75			80	
Thr	Leu	Ala	Asn	Leu	Gly	Ser	Pro	His	Pro	Gln	Ala	Ile	Ser	Phe	Gln
85	90													95	

Gly Cys Ala Ala Gln Met Tyr Val Phe Ile Val Leu Gly Ile Ser Glu
 100 105 110
 Cys Cys Leu Leu Thr Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys
 115 120 125
 Gln Pro Leu Arg Tyr Ser Thr Leu Leu Ser Pro Arg Ala Cys Met Ala
 130 135 140
 Met Val Gly Thr Ser Trp Leu Thr Gly Ile Ile Thr Ala Thr Thr His
 145 150 155 160
 Ala Ser Leu Ile Phe Ser Leu Pro Phe Arg Ser His Pro Ile Ile Pro
 165 170 175
 His Phe Leu Cys Asp Ile Leu Pro Val Leu Arg Leu Ala Ser Ala Gly
 180 185 190
 Lys His Arg Ser Glu Ile Ser Val Met Thr Ala Thr Ile Val Phe Ile
 195 200 205
 Met Ile Pro Phe Ser Leu Ile Val Thr Ser Tyr Ile Arg Ile Leu Gly
 210 215 220
 Ala Asn Leu Ala Met Gly Leu Thr Gln Ser Arg Arg Lys Val Phe Ser
 225 230 235 240
 Thr Cys Ser Ser His Arg Leu Val Val Ser Leu Phe Phe Gly Thr Ala
 245 250 255
 Ser Ile Thr Asn Asn Arg Pro Gln Ala Gly Ser Ser Glu Thr Thr Asp
 260 265 270
 Arg Val Ile Ser Leu Phe Asn Thr Val Ile Thr Pro Met Leu Asn Pro
 275 280 285
 Ile Ile Asn Thr His Gly Asn Lys Asp Val Arg Arg Ala Leu Arg Tyr
 290 295 300
 Leu Val Lys Arg Arg Arg Pro Ser Pro Gly Arg Gly Ser Gly
 305 310 315

<210> 1907

<211> 311

<212> PRT

<213> Unknown (H38g825 protein)

<220>

<223> Synthetic construct

<400> 1907

Met Glu Thr Lys Asn Tyr Ser Ser Thr Ser Gly Phe Ile Leu Leu
 1 5 10 15
 Gly Leu Ser Ser Asn Pro Lys Leu Gln Lys Pro Leu Phe Ala Ile Phe
 20 25 30
 Leu Ile Met Tyr Leu Leu Thr Ala Val Gly Asn Val Leu Ile Ile Leu
 35 40 45
 Ala Ile Tyr Ser Asp Pro Arg Leu His Thr Pro Met Tyr Phe Phe Leu
 50 55 60
 Ser Asn Leu Ser Phe Met Asp Ile Cys Phe Thr Thr Val Ile Val Pro
 65 70 75 80
 Lys Met Leu Val Asn Phe Leu Ser Glu Thr Lys Ile Ile Ser Tyr Val
 85 90 95
 Gly Cys Leu Ile Gln Met Tyr Phe Phe Met Ala Phe Gly Asn Thr Asp
 100 105 110
 Ser Tyr Leu Leu Ala Ser Met Ala Ile Asp Arg Leu Val Ala Ile Cys
 115 120 125
 Asn Pro Leu His Tyr Asp Val Val Met Lys Pro Trp His Cys Leu Leu
 130 135 140
 Met Leu Leu Gly Ser Cys Ser Ile Ser His Leu His Ser Leu Phe Arg
 145 150 155 160
 Val Leu Leu Met Ser Arg Leu Ser Phe Cys Ala Ser His Ile Ile Lys
 165 170 175
 His Phe Phe Cys Asp Thr Gln Pro Val Leu Lys Leu Ser Cys Ser Asp

180	185	190
Thr Ser Ser Gln Met Val Val Met Thr Glu Thr Leu Ala Val Ile		
195	200	205
Val Thr Pro Phe Leu Cys Thr Ile Phe Ser Tyr Leu Gln Ile Ile Val		
210	215	220
Thr Val Leu Arg Ile Pro Ser Ala Ala Arg Lys Trp Lys Ala Phe Ser		
225	230	235
Thr Cys Gly Ser His Leu Thr Val Val Val Leu Phe Tyr Gly Ser Val		
245	250	255
Ile Tyr Val Tyr Phe Arg Pro Leu Ser Met Tyr Ser Val Met Lys Gly		
260	265	270
Arg Val Ala Thr Val Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro		
275	280	285
Phe Ile Tyr Ser Leu Arg Asn Lys Asp Met Lys Arg Gly Leu Lys Lys		
290	295	300
Leu Arg His Arg Ile Tyr Ser		
305	310	

<210> 1908

<211> 131

<212> PRT

<213> Unknown (H38g826 protein)

<220>

<223> Synthetic construct

<400> 1908

Met Lys Asn Lys Thr Val Leu Thr Glu Phe Ile Leu Leu Gly Leu Thr			
1	5	10	15
Asp Val Pro Glu Leu Gln Val Ala Val Phe Thr Phe Leu Phe Leu Ala			
20	25	30	
Tyr Leu Leu Ser Ile Leu Gly Asn Leu Thr Ile Leu Ile Leu Thr Leu			
35	40	45	
Leu Asp Ser His Leu Gln Thr Pro Met Tyr Phe Phe Leu Arg Asn Phe			
50	55	60	
Ser Phe Leu Glu Ile Ser Phe Thr Asn Ile Phe Ile Pro Arg Val Leu			
65	70	75	80
Ile Ser Ile Thr Thr Gly Asn Lys Ser Ile Ser Phe Ala Gly Cys Phe			
85	90	95	
Thr Gln Tyr Phe Phe Ala Met Phe Leu Gly Ala Thr Glu Phe Tyr Leu			
100	105	110	
Leu Ala Ala Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Lys Leu Met			
115	120	125	
Thr Met His			
130			

<210> 1909

<211> 311

<212> PRT

<213> Unknown (H38g827 protein)

<220>

<223> Synthetic construct

<400> 1909

Met Glu Ile Lys Asn Tyr Ser Ser Ser Thr Ser Gly Phe Ile Leu Leu			
1	5	10	15
Gly Leu Ser Ser Asn Pro Gln Leu Gln Lys Pro Leu Phe Ala Ile Phe			
20	25	30	
Leu Ile Met Tyr Leu Leu Ala Ala Val Gly Asn Val Leu Ile Ile Pro			
35	40	45	

Ala Ile Tyr Ser Asp Pro Arg Leu His Thr Pro Met Tyr Phe Phe Leu
 50 55 60
 Ser Asn Leu Ser Phe Met Asp Ile Cys Phe Thr Thr Val Ile Val Pro
 65 70 75 80
 Lys Met Leu Val Asn Phe Leu Ser Glu Thr Lys Val Ile Ser Tyr Val
 85 90 95
 Gly Cys Leu Ala Gln Met Tyr Phe Phe Met Ala Phe Gly Asn Thr Asp
 100 105 110
 Ser Tyr Leu Leu Ala Ser Met Ala Ile Asp Arg Leu Val Ala Ile Cys
 115 120 125
 Asn Pro Leu His Tyr Asp Val Val Met Lys Pro Arg His Cys Leu Leu
 130 135 140
 Met Leu Leu Gly Ser Cys Ser Ile Ser His Leu His Ser Leu Phe Arg
 145 150 155 160
 Val Leu Leu Met Ser Arg Leu Ser Phe Cys Ala Ser His Ile Ile Lys
 165 170 175
 His Phe Phe Cys Asp Thr Gln Pro Val Leu Lys Leu Ser Cys Ser Asp
 180 185 190
 Thr Ser Ser Gln Met Val Val Met Thr Glu Thr Leu Ala Val Ile
 195 200 205
 Val Thr Pro Phe Leu Cys Ile Ile Phe Ser Tyr Leu Arg Ile Met Val
 210 215 220
 Thr Val Leu Arg Ile Pro Ser Ala Ala Gly Lys Trp Lys Ala Phe Ser
 225 230 235 240
 Thr Cys Gly Ser His Leu Thr Ala Val Ala Leu Phe Tyr Gly Ser Ile
 245 250 255
 Ile Tyr Val Tyr Phe Arg Pro Leu Ser Met Tyr Ser Val Val Arg Asp
 260 265 270
 Arg Val Ala Thr Val Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro
 275 280 285
 Phe Ile Tyr Ser Leu Arg Asn Lys Asp Met Lys Arg Gly Leu Lys Lys
 290 295 300
 Leu Gln Asp Arg Ile Tyr Arg
 305 310

<210> 1910
 <211> 313
 <212> PRT
 <213> Unknown (H38g828 protein)

<220>
 <223> Synthetic construct

<221> VARIANT
 <222> (1)...(313)
 <223> Xaa = Any Amino Acid

<400> 1910
 Met Pro Asn Lys Ile Val Val Thr Glu Phe Phe Leu Thr Arg Pro Asp
 1 5 10 15
 Gly Leu Gln Lys Ser Phe Gln Val Ala Val Phe Leu Leu Pro Asp Ala
 20 25 30
 Cys His Thr Leu Xaa Leu Ser Leu Gly Thr Xaa Ile Ile Ile Thr Met
 35 40 45
 Thr Leu Leu Asp Thr Arg Met Gln Thr Ser Met Tyr Leu Phe Leu Gln
 50 55 60
 Asn Leu Ser Cys Leu Glu Ile Trp Phe Gln Thr Val Ile Val Pro Lys
 65 70 75 80
 Met Leu Leu Asn Ile Ala Met Gly Thr Lys Thr Val Ser Phe Ala Gly
 85 90 95
 Cys Ile Thr Gln Asp Phe Phe His Ile Phe Leu Gly Ala Thr Glu Phe

100	105	110
Phe Leu Leu Thr Ala Met Ala Tyr Asp Gln Tyr Ile Ala Ile Cys Lys		
115 120 125		
Pro Leu His Tyr Pro Met Leu Ile Ser Ser Arg Val Cys Thr Gln Leu		
130 135 140		
Ile Leu Thr Cys Trp Leu Leu Gly Phe Ser Phe Ile Ile Met Pro Val		
145 150 155 160		
Ile Leu Thr Ser Gln Leu Pro Phe Cys Asp Thr His Ile Lys His Phe		
165 170 175		
Phe Cys Asp Tyr Thr Pro Leu Met Glu Val Val Cys Ser Gly Pro Lys		
180 185 190		
Val Leu Glu Met Val Asp Phe Thr Leu Ala Leu Val Ala Leu Phe Gly		
195 200 205		
Thr Leu Val Leu Ile Thr Leu Ser Tyr Val Gln Ile Ile Gln Thr Ile		
210 215 220		
Val Arg Ile Pro Ala Val Gln Glu Arg Lys Lys Ala Phe Ser Thr Cys		
225 230 235 240		
Ser Ser His Val Ile Met Val Thr Met Cys Tyr Asp Ser Cys Phe Phe		
245 250 255		
Met Tyr Val Lys Pro Ser Pro Gly Lys Trp Val Asp Val Asn Lys Gly		
260 265 270		
Val Ser Leu Ile Asn Thr Ile Ile Ala Pro Leu Leu Asn Pro Phe Ile		
275 280 285		
Cys Thr Leu Arg Asn Gln Gln Val Lys Gln Val Met Lys Asp Leu Val		
290 295 300		
Arg Lys Met Thr Leu Ser Glu Asn Lys		
305 310		

<210> 1911

<211> 317

<212> PRT

<213> Unknown (H38g829 protein)

<220>

<223> Synthetic construct

<400> 1911

Met Asn Ser Glu Asn Leu Thr Arg Ala Ala Val Ala Pro Ala Glu Phe		
1 5 10 15		
Val Leu Leu Gly Ile Thr Asn Arg Trp Asp Leu Arg Val Ala Leu Phe		
20 25 30		
Leu Thr Cys Leu Pro Val Tyr Leu Val Ser Leu Leu Gly Asn Met Gly		
35 40 45		
Met Ala Leu Leu Ile Arg Met Asp Ala Arg Leu His Thr Pro Met Tyr		
50 55 60		
Phe Phe Leu Ala Asn Leu Ser Leu Leu Asp Ala Cys Tyr Ser Ser Ala		
65 70 75 80		
Ile Gly Pro Lys Met Leu Val Asp Leu Leu Pro Arg Ala Thr Ile		
85 90 95		
Pro Tyr Thr Ala Cys Ala Leu Gln Met Phe Val Phe Ala Gly Leu Ala		
100 105 110		
Asp Thr Glu Cys Cys Leu Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val		
115 120 125		
Ala Ile Arg Asn Pro Leu Leu Tyr Thr Thr Ala Met Ser Gln Arg Leu		
130 135 140		
Cys Leu Ala Leu Leu Gly Ala Ser Gly Leu Gly Gly Ala Val Ser Ala		
145 150 155 160		
Phe Val His Thr Leu Thr Phe Arg Leu Ser Phe Cys Arg Ser Arg		
165 170 175		
Lys Ile Asn Ser Phe Phe Cys Asp Ile Pro Pro Leu Leu Ala Ile Ser		
180 185 190		